Part 4

Methodology of Reporting

Table 5-4 has been the basis of the methodology of reporting for Part 4 of this report. In the table, major categories of types of data used for the reporting originally included:

- 1. an ambient monitoring network
- 2. untreated water quality data from public water supply wells
- 3. finished water quality data from public water supply wells
- 4. untreated water quality data from private or unregulated wells, and
- 5. other sources.

For this report only the data from 3 was used. There was no available data from the other categories, and because of this the table was modified from the original EPA version to only reflect this category of data.

The data was obtained from the State Department of Health, Safe Drinking Water Branch database of reported water contaminants. The data is a part of the State's mandatory water monitoring program.

The reporting period for the report was the two year period from January 1998 through January 2000. The data for the period was matched to existing GIS coverages of wells for the State. The wells for each aquifer system were analyzed to note the occurrences of contaminant reporting.

The different contaminants reported are summarized in Tables 5.4.1 through 5.4.111. It was possible for a well to show 1 or more different contaminants, and these different detections would be noted in the tables. However, if the well showed the same contaminant multiple times, the contaminant was only recorded one time.

In order to summarize the information recorded in the tables, the maps at the end of the section represent the detections by aquifer, of the different contaminant groups. These groups were; VOC's, SOC's, Nitrate, and Other. The other category included contaminants including metals, and fluoride.

Summary of Groundwater Conditions

The groundwater systems for the State appear to be in relative good condition when compared to the data reviewed from the groundwater monitoring program. Although this is the best indicator to assess the groundwater conditions at this time, another way to get a more clear picture might be to analyze the data over a longer period of time.

Also, when the conditions of the groundwater are considered from a perspective using the data in Part 3 of the report, it might appear that some contaminants may be a future threat to State groundwater resources. Some elements of the analysis seem to be more disturbing than others. One example is the large numbers of leaking underground storage tanks. With these larger numbers, it seems more likely that some contamination may be occurring without being detected.

Overall, however, concentrations of the contaminants found in State groundwaters are low, and it is believed that the condition of the aquifers in the State are still in good condition.

No attempt has been made to study and analyze the impacts of surface water on groundwaters. It seems likely that some of the more polluted surface waters may impact the groundwaters below. The most important of these polluted surface waters seem to be the water from the Ala Wai, Honolulu Harbor, and Kahana water segments. All of these surface waters, however, are located nearer the coastal area where it is less critical for negative impacts to the major potable aquifers of the State.

Aquifer Monitoring Data

The aquifer monitoring data is recorded in the following tables, Table 5.4.1 through 5.4.111.

Table 5-4.1 Aquifer Monitoring Data

Hydrogeologic Setting (1) Hav	vaii - 0101 Kohala Aquifer Sector, Hawi Aquifer System
Spatial Description (optional) (2)	See Map: Hawaii Aquifer Sectors and Aquifer Systems
Map Available (optional) (3)	Map available; Section 5-3
Data Reporting Period (4)	January 1998 - March 2000

	T-4-1 N	ed Groups	Number	of Wells							
Monitoring Data Type	Total No. of Wells Used in the Assessment		No detections of parameters above MDLs or background levels		Nitrate concentrations range from background levels to less than or equal to 5 mg/l No detections or parameters other than nitrate above MDLs or background levels and/or located in areas that are sensitive or vulnerable		Nitrate ranges from greater than 5 to less than or equal to 10 mg/l Other parameters are detected at	Parameters are detected at concentrations exceeding the MCLs (11)	Number of Wells Removed from service	Number of Wells Requiring Special Treatment	Background parameters exceed MCLs (14)
			ND ⁽⁶⁾	Number of wells in sensitive or vulnerable areas (optional) (7)	Nitrate # 5 mg/l VOC, SOC, and Other parameters not detected (8)	Number of wells in sensitive or vulnerable areas (optional)	concentrations exceeding the MDL but are less than or equal to the MCLs (10)				
Finished Water	58	VOC	58	58	58		0	0	0	0	0
Quality Data from Public Water Supply		SOC (15)	58	All state aquifers con-	58		0	0	0	0	0
Wells		NO_2	58	sidered to be vulnerable.	0		0	0	0	0	0
		Other (16)	58		58		0	0	0	0	0

Major uses of the aquifer or hydrologic unit	_X_ Public water supply	_X_ Irrigation	Commercial	Mining	Baseflow Maintenance
	Private water supply	Thermoelectric	Livestock	Industrial	
Uses affected by water quality problems	Public water supply	Irrigation	Commercial	Mining	Baseflow Maintenance
(optional) (8)	Private water supply	Thermoelectric	Livestock	Industrial	

Table 5-4.2 Aquifer Monitoring Data

Hydrogeologic Setting (1)	Hawaii - 0102 Kohala Aquifer Sector, Waimanu Aquifer System							
patial Description (optional) (2) See Map: Hawaii Aquifer Sectors and Aquifer Systems								
Map Available (optional) (3) Map available; Section 5-3								
Data Reporting Period (4)	January 1998 - March 2000							

	T (IN C	Used Groups	Number	of Wells							
Monitoring Data Type	Total No. of Wells Used in the Assessment		No detections of parameters above MDLs or background levels		Nitrate concentrations range from background levels to less than or equal to 5 mg/l No detections or parameters other than nitrate above MDLs or background levels and/or located in areas that are sensitive or vulnerable		Nitrate ranges from greater than 5 to less than or equal to 10 mg/l Other parameters are detected at	Parameters are detected at concentrations exceeding the MCLs (11)	Number of Wells Removed from service	Number of Wells Requiring Special Treatment	Background parameters exceed MCLs (14)
			ND ⁽⁶⁾	Number of wells in sensitive or vulnerable areas (optional) (7)	Nitrate # 5 mg/l VOC, SOC, and Other parameters not detected ⁽⁸⁾	Number of wells in sensitive or vulnerable areas (optional)	concentrations exceeding the MDL but are less than or equal to the MCLs (10)				
Finished Water	20	VOC	20	20	20		0	0	0	0	0
Quality Data from Public		SOC (15)	20	All state	20		0	0	0	0	0
Water Supply		NO ₂	20	aquifers	0		0	0	0	0	0
Wells		Other ⁽¹⁶⁾	20	considered to be vulnerable.	20		0	0	0	0	0

Major uses of the aquifer or hydrologic unit	_X_ Public water supply	_X_ Irrigation	Commercial	Mining	Baseflow Maintenance
	X Private water supply	Thermoelectric	Livestock	Industrial	
Uses affected by water quality	Public water supply	Irrigation	Commercial	Mining	Baseflow Maintenance
problems (optional) (8)	Private water supply	Thermoelectric	Livestock	Industrial	

Table 5-4.3 Aquifer Monitoring Data

Hydrogeologic Setting (1)	Hawaii - 0103 Kohala Aquifer Sector, Mahukona Aquifer System							
Spatial Description (optional) (2) See Map: Hawaii Aquifer Sectors and Aquifer Systems								
Map Available (optional) (3)	Map available; Section 5-3							
Data Reporting Period (4)	January 1998 - January 2000							

	Total No. of	Jsed Groups ment	Number	of Wells							
Monitoring Data Type	Wells Used in the Assessment (5)		-	ions of is above MDLs ound levels	Nitrate concentrations range from background levels to less than or equal to 5 mg/l No detections or parameters other than nitrate above MDLs or background levels and/or located in areas that are sensitive or vulnerable		Nitrate ranges from greater than 5 to less than or equal to 10 mg/l Other parameters are detected at	Parameters are detected at concentrations exceeding the MCLs (11)	Number of Wells Removed from service (12)	Number of Wells Requiring Special Treatment	Background parameters exceed MCLs (14)
			ND ⁽⁶⁾	Number of wells in sensitive or vulnerable areas (optional) (7)	Nitrate # 5 mg/l VOC, SOC, and Other parameters not detected ⁽⁸⁾	Number of wells in sensitive or vulnerable areas (optional)	concentrations exceeding the MDL but are less than or equal to the MCLs (10)				
Finished Water	26	VOC	26	26	26		0	0	0	0	0
Quality Data from Public		SOC (15)	26	All state	26		0	0	0	0	0
Water Supply		NO_2	26	aquifers	0		0	0	0	0	0
Wells		Other (16)	26	considered to be vulnerable.	26		1	0	0	0	0

Major uses of the aquifer or hydrologic unit	_X_ Public water supply	_X_ Irrigation	Commercial	Mining	Baseflow Maintenance
	X Private water supply	Thermoelectric	Livestock	Industrial	
Uses affected by water quality problems	Public water supply	Irrigation	Commercial	Mining	Baseflow Maintenance
(optional) (8)	Private water supply	Thermoelectric	Livestock	Industrial	

Table 5-4.4 Aquifer Monitoring Data

Hydrogeologic Setting (1) <u>Hawaii - 0201 East Mauna Kea Aquifer Sector, Honokaa Aquifer System</u>

Spatial Description (optional) (2) See Map: Hawaii Aquifer Sectors and Aquifer Systems

	Total No. of	d Groups	Number	of Wells							
Monitoring Data Type	Wells Used in the Assessment (5)		No detections of parameters above MDLs or background levels		Nitrate concentrations range from background levels to less than or equal to 5 mg/l No detections or parameters other than nitrate above MDLs or background levels and/or located in areas that are sensitive or vulnerable		Nitrate ranges from greater than 5 to less than or equal to 10 mg/l Other parameters are detected at	Parameters are detected at concentrations exceeding the MCLs (11)	Number of Wells Removed from service (12)	Number of Wells Requiring Special Treatment	Background parameters exceed MCLs (14)
			ND ⁽⁶⁾	Number of wells in sensitive or vulnerable areas (optional) (7)	Nitrate # 5 mg/l VOC, SOC, and Other parameters not detected (8)	Number of wells in sensitive or vulnerable areas (optional)	concentrations exceeding the MDL but are less than or equal to the MCLs (10)				
Finished Water Quality Data	3	VOC	3	3	3		0	0	0	0	0
from Public Water Supply		SOC (15)	2	All aquifers	2		1	0	0	0	0
Wells	NO_2	NO_2	3 considered		0		0	0	0	0	0
		2	3	to be vulnerable.	3		0	0	0	0	0

Major uses of the aquifer or hydrologic unit	_X_ Public water supply	_X_ Irrigation	Commercial	Mining	Baseflow Maintenance
	X Private water supply	Thermoelectric	Livestock	Industrial	
Uses affected by water quality problems	Public water supply	Irrigation	Commercial	Mining	Baseflow Maintenance
(optional) (8)	Private water supply	Thermoelectric	Livestock	Industrial	

Hydrogeologic Setting (1) <u>Hawaii - 0202 East Mauna Kea Aquifer Sector, Pauuilo Aquifer System</u>

Spatial Description (optional) (2) See Map: Hawaii Aquifer Sectors and Aquifer Systems

	T-4-1 N	Parameter Groups	Number	of Wells							
Monitoring Data Type	Total No. of Wells Used in the Assessment		No detections of parameters above MDLs or background levels		Nitrate concentrations range from background levels to less than or equal to 5 mg/l No detections or parameters other than nitrate above MDLs or background levels and/or located in areas that are sensitive or vulnerable		Nitrate ranges from greater than 5 to less than or equal to 10 mg/l Other parameters are detected at	Parameters are detected at concentrations exceeding the MCLs (11)	Number of Wells Removed from service (12)	Number of Wells Requiring Special Treatment	Background parameters exceed MCLs (14)
			ND ⁽⁶⁾	Number of wells in sensitive or vulnerable areas (optional) (7)	Nitrate # 5 mg/l VOC, SOC, and Other parameters not detected (8)	Number of wells in sensitive or vulnerable areas (optional)	concentrations exceeding the MDL but are less than or equal to the MCLs (10)				
Finished Water Quality Data	25	VOC	25	25	25		0	0	0	0	0
from Public		SOC (15)	24	All state aquifers	24		1	0	0	0	0
Water Supply Wells		NO_2	25	considered to be vulnerable.	0		0	0	0	0	0
		Other (16)	25		25		0	0	0	0	0

Major uses of the aquifer or hydrologic unit	_X_ Public water supply	_X_ Irrigation	Commercial	Mining	Baseflow Maintenance
	X Private water supply	Thermoelectric	Livestock	Industrial	
Uses affected by water quality problems (optional) (8)	Public water supply	Irrigation	Commercial	Mining	Baseflow Maintenance
(optional)	Private water supply	Thermoelectric	Livestock	Industrial	

Table 5-4.6 Aquifer Monitoring Data

Spatial Description (optional) (2) See Map: Hawaii Aquifer Sectors and Aquifer Systems

Map Available (optional) (3) Data Reporting Period (4) Map available; Section 5-3

January 1998 - January 2000

	T (IN C	ъ.	Number	of Wells							
Data Type viii	Total No. of Wells Used in the Assessment	Parameter Groups	-	ions of es above MDLs ound levels	from background levels to less than or equal to 5 mg/l No detections or parameters other than nitrate above MDLs or background levels and/or located in areas that are sensitive or vulnerable		Nitrate ranges from greater than 5 to less than or equal to 10 mg/l Other parameters are detected at	Parameters are detected at concentrations exceeding the MCLs (11)	Number of Wells Removed from service	Number of Wells Requiring Special Treatment	Background parameters exceed MCLs (14)
			ND ⁽⁶⁾	Number of wells in sensitive or vulnerable areas (optional) (7)	Nitrate # 5 mg/l VOC, SOC, and Other parameters not detected (8)	Number of wells in sensitive or vulnerable areas (optional)	concentrations exceeding the MDL but are less than or equal to the MCLs (10)				
Finished Water Quality Data	16	VOC	16	16	16		0	0	0	0	0
from Public		SOC (15)	13	All state aquifers	13		3	0	0	0	0
Water Supply Wells		NO ₂	16	considered to be vulnerable.	0		0	0	0	0	0
		Other (16)	16	or valletuele.	16		1	0	0	0	0

Major uses of the aquifer or hydrologic unit	_X_ Public water supply	_X_ Irrigation	Commercial	Mining	Baseflow Maintenance
	X Private water supply	Thermoelectric	Livestock	Industrial	
Uses affected by water quality problems	_X_ Public water supply	Irrigation	Commercial	Mining	Baseflow Maintenance
(optional) ⁽⁸⁾	_X_ Private water supply	Thermoelectric	Livestock	Industrial	

Table 5-4.7 Aquifer Monitoring Data

Hydrogeologic Setting ⁽¹⁾ Hawaii - 0204 East Mauna Kea Aquifer Sector, Onomea Aquifer System Spatial Description (optional) ⁽²⁾ See Map: Hawaii Aquifer Sectors and Aquifer Systems

Map Available (optional) ⁽³⁾ Map available; Section 5-3

	T (IN)	ъ.	Number	of Wells							
Data Type We in	Total No. of Wells Used in the Assessment	Parameter Groups	-	nns of above MDLs and levels Nitrate concentrations range from background levels to less than or equal to 5 mg/l No detections or parameters other than nitrate above MDLs or background levels and/or located in areas that are sensitive or vulnerable		Nitrate ranges from greater than 5 to less than or equal to 10 mg/l Other parameters are detected at	Parameters are detected at concentrations exceeding the MCLs (11)	Number of Wells Removed from service	Number of Wells Requiring Special Treatment	Background parameters exceed MCLs (14)	
			ND ⁽⁶⁾	Number of wells in sensitive or vulnerable areas (optional) (7)	Nitrate # 5 mg/l VOC, SOC, and Other parameters not detected ⁽⁸⁾	Number of wells in sensitive or vulnerable areas (optional)	concentrations exceeding the MDL but are less than or equal to the MCLs (10)				
Finished Water Quality Data	7	VOC	7	7	7		0	0	0	0	0
from Public		SOC (15)	7	All state aquifers	7		0	0	0	0	0
Water Supply Wells		NO_2	7	considered to be vulnerable.	0		0	0	0	0	0
		Other (16)	7		7		0	0	0	0	0

Major uses of the aquifer or hydrologic unit	_X_ Public water supply	_X_ Irrigation	Commercial	Mining	Baseflow Maintenance
	X Private water supply	Thermoelectric	Livestock	Industrial	
Uses affected by water quality problems (optional) (8)	_X_ Public water supply	Irrigation	Commercial	Mining	Baseflow Maintenance
(optional)	_X_ Private water supply	Thermoelectric	Livestock	Industrial	

Table 5-4.8 Aquifer Monitoring Data

Hydrogeologic Setting (1) Hawaii - 0301 West Mauna Kea Aquifer Sector, Waimea Aquifer System

Spatial Description (optional) (2) See Map: Hawaii Aquifer Sectors and Aquifer Systems

	T (IN C	ъ.	Number	of Wells							
Data Type W	Total No. of Wells Used in the Assessment	ed Groups	No detections of parameters above MDLs or background levels		from background levels to less than or equal to 5 mg/l No detections or parameters other than nitrate above MDLs or background levels and/or located in areas that are sensitive or vulnerable		Nitrate ranges from greater than 5 to less than or equal to 10 mg/l Other parameters are detected at	Parameters are detected at concentrations exceeding the MCLs (11)	Number of Wells Removed from service	Number of Wells Requiring Special Treatment	Background parameters exceed MCLs (14)
			ND ⁽⁶⁾	Number of wells in sensitive or vulnerable areas (optional) (7)	Nitrate # 5 mg/l VOC, SOC, and Other parameters not detected (8)	Number of wells in sensitive or vulnerable areas (optional)	concentrations exceeding the MDL but are less than or equal to the MCLs (10)				
Finished Water Quality Data	12	VOC	11	12	11		1	0	0	0	0
from Public		SOC (15)	12	All state aquifers	12		0	0	0	0	0
Water Supply Wells	Supply NO ₂ 9 considered to be vulnerable.		3		0	0	0	0	0		
		Other (16) 12		12		2	0	0	0	0	

Major uses of the aquifer or hydrologic unit	_X_ Public water supply	Irrigation	Commercial	Mining	Baseflow Maintenance
	X Private water supply	Thermoelectric	Livestock	Industrial	
Uses affected by water quality problems	_X_ Public water supply	Irrigation	Commercial	Mining	Baseflow Maintenance
(optional) (8)	_X_ Private water supply	Thermoelectric	Livestock	Industrial	

Table 5-4.9 Aquifer Monitoring Data

Hydrogeologic Setting (1) Hawaii - 0401 Northeast Mauna Loa Aquifer Sector, Hilo Aquifer System

Spatial Description (optional) (2) See Map: Hawaii Aquifer Sectors and Aquifer Systems

	T (IN C		Number	of Wells							
Monitoring Data Type	Total No. of Wells Used in the Assessment	Groups	No detections of parameters above MDLs or background levels		Nitrate concentrations range from background levels to less than or equal to 5 mg/l No detections or parameters other than nitrate above MDLs or background levels and/or located in areas that are sensitive or vulnerable		Nitrate ranges from greater than 5 to less than or equal to 10 mg/l Other parameters are detected at	Parameters are detected at concentrations exceeding the MCLs (11)	Number of Wells Removed from service	Number of Wells Requiring Special Treatment	Background parameters exceed MCLs (14)
			ND ⁽⁶⁾	Number of wells in sensitive or vulnerable areas (optional) (7)	Nitrate # 5 mg/l VOC, SOC, and Other parameters not detected ⁽⁸⁾	Number of wells in sensitive or vulnerable areas (optional)	concentrations exceeding the MDL but are less than or equal to the MCLs (10)				
Finished Water Quality Data	38	VOC	38	38	38		0	0	0	0	0
from Public		SOC (15)	38	All state aquifers	38		0	0	0	0	0
Water Supply Wells		NO ₂	38	considered to be vulnerable.	0		0	0	0	0	0
		Other (16)	38	oc vumerable.	38		0	0	0	0	0

Major uses of the aquifer or hydrologic unit	_X_ Public water supply	Irrigation	_X_ Commercial	Mining	Baseflow Maintenance
	X Private water supply	Thermoelectric	Livestock	_X_ Industrial	
Uses affected by water quality problems (optional) (8)	_X_ Public water supply	Irrigation	Commercial	Mining	Baseflow Maintenance
(°F)	_X_ Private water supply	Thermoelectric	Livestock	Industrial	

Table 5-4.10 Aquifer Monitoring Data

Hydrogeologic Setting (1) <u>Hawaii - 0402 Northeast Mauna Loa Aquifer Sector, Keaau Aquifer System</u>

Spatial Description (optional) (2) See Map: Hawaii Aquifer Sectors and Aquifer Systems

	T (IN C	ъ.	Number	of Wells							
Data Type in	Total No. of Wells Used in the Assessment	d Groups			from background levels to less than or equal to 5 mg/l No detections or parameters other than nitrate above MDLs or background levels and/or located in areas that are sensitive or vulnerable		Nitrate ranges from greater than 5 to less than or equal to 10 mg/l Other parameters are detected at concentrations	Parameters are detected at concentrations exceeding the MCLs (11)	Number of Wells Removed from service	Number of Wells Requiring Special Treatment	Background parameters exceed MCLs (14)
			ND ⁽⁶⁾	Number of wells in sensitive or vulnerable areas (optional) (7)	Nitrate # 5 mg/l VOC, SOC, and Other parameters not detected (8)	Number of wells in sensitive or vulnerable areas (optional)	exceeding the MDL but are less than or equal to the MCLs (10)				
Finished Water Quality Data	27	VOC	27	27	27		0	0	0	0	0
from Public		SOC (15)	26	All state aquifers	26		1	0	0	0	0
Water Supply Wells	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$		0		0	0	0	0	0		
			27		0	0	0	0	0		

Major uses of the aquifer or hydrologic unit	_X_ Public water supply	Irrigation	Commercial	Mining	Baseflow Maintenance
	X Private water supply	Thermoelectric	Livestock	Industrial	
Uses affected by water quality problems	_X_ Public water supply	Irrigation	Commercial	Mining	Baseflow Maintenance
(optional) (8)	_X_ Private water supply	Thermoelectric	Livestock	Industrial	

Table 5-4.11 Aquifer Monitoring Data

Hydrogeologic Setting (1) Hawaii - 0501 Southeast Mauna Loa Aquifer Sector, Olaa Aquifer System

Spatial Description (optional) (2) See Map: Hawaii Aquifer Sectors and Aquifer Systems

	T (IN C	ъ.	Number	of Wells							
Data Type Win	Total No. of Wells Used in the Assessment	Groups	l		from background levels to less than or equal to 5 mg/l No detections or parameters other than nitrate above MDLs or background levels and/or located in areas that are sensitive or vulnerable		Nitrate ranges from greater than 5 to less than or equal to 10 mg/l Other parameters are detected at	Parameters are detected at concentrations exceeding the MCLs (11)	Number of Wells Removed from service	Number of Wells Requiring Special Treatment	Background parameters exceed MCLs (14)
			ND ⁽⁶⁾	Number of wells in sensitive or vulnerable areas (optional) (7)	Nitrate # 5 mg/l VOC, SOC, and Other parameters not detected (8)	Number of wells in sensitive or vulnerable areas (optional)	concentrations exceeding the MDL but are less than or equal to the MCLs (10)				
Finished Water Quality Data	10	VOC	10	10	10		0	0	0	0	0
from Public		SOC (15)	10	All state aquifers	10		0	0	0	0	0
Water Supply Wells	NO ₂ 10 considered to			0		0	0	0	0	0	
		Other (16)	10	oc vumerable.	10		0	0	0	0	0

Major uses of the aquifer or hydrologic unit	_X_ Public water supply	Irrigation	Commercial	Mining	Baseflow Maintenance
	X Private water supply	Thermoelectric	Livestock	Industrial	
Uses affected by water quality problems	_X_ Public water supply	Irrigation	Commercial	Mining	Baseflow Maintenance
(optional) (8)	_X_ Private water supply	Thermoelectric	Livestock	Industrial	

Table 5-4.12 Aquifer Monitoring Data

Hydrogeologic Setting (1) <u>Hawaii - 0502 Southeast Mauna Loa Aquifer Sector, Kapapala Aquifer System</u>

Spatial Description (optional) (2) See Map: Hawaii Aquifer Sectors and Aquifer Systems

	Total No. of	D.	Number	of Wells							
Data Type V	Wells Used in the Assessment (5)	ells Used the Groups sessment	parameter	Nitrate concentration from background levels No detections or other than nitrate MDLs or backgrand/or located in are sensitive or visit		d levels to al to 5 mg/l parameters e above cound levels a areas that	Nitrate ranges from greater than 5 to less than or equal to 10 mg/l Other parameters are detected at	Parameters are detected at concentrations exceeding the MCLs (11)	Number of Wells Removed from service	Number of Wells Requiring Special Treatment	Background parameters exceed MCLs (14)
			ND ⁽⁶⁾	Number of wells in sensitive or vulnerable areas (optional) (7)	Nitrate # 5 mg/l VOC, SOC, and Other parameters not detected ⁽⁸⁾	Number of wells in sensitive or vulnerable areas (optional)	concentrations exceeding the MDL but are less than or equal to the MCLs (10)				
Finished Water Quality Data	0	VOC	0	0	0		0	0	0	0	0
from Public		SOC (15)	0	All state aquifers	0		0	0	0	0	0
Water Supply Wells	he yulnerable	considered to be vulnerable.	0		0	0	0	0	0		
		Other (16)	0 be vuinerable.		0		0	0	0	0	0

Major uses of the aquifer or hydrologic unit	_X_ Public water supply	Irrigation	Commercial	Mining	Baseflow Maintenance
	X Private water supply	Thermoelectric	Livestock	Industrial	
Uses affected by water quality problems (optional) (8)	_X_ Public water supply	Irrigation	Commercial	Mining	Baseflow Maintenance
(optional)	_X_ Private water supply	Thermoelectric	Livestock	Industrial	

Table 5-4.13 Aquifer Monitoring Data

Hydrogeologic Setting (1) Hawaii - 0503 Southeast Mauna Loa Aquifer Sector, Naalehu Aquifer System

Spatial Description (optional) (2) See Map: Hawaii Aquifer Sectors and Aquifer Systems

	Total No. of	ъ.	Number	of Wells							
Data Type	Wells Used in the Assessment (5)	Parameter Groups	parameters above MDLs or background levels from background levels No detect other than MDLs or and/or local descriptions.		No detections or other than nitrate MDLs or backgr and/or located in	trate concentrations range om background levels to s than or equal to 5 mg/l o detections or parameters her than nitrate above DLs or background levels d/or located in areas that e sensitive or vulnerable		Parameters are detected at concentrations exceeding the MCLs (11)	Number of Wells Removed from service	Number of Wells Requiring Special Treatment	Background parameters exceed MCLs (14)
			ND ⁽⁶⁾	Number of wells in sensitive or vulnerable areas (optional) (7)	Nitrate # 5 mg/l VOC, SOC, and Other parameters not detected (8)	Number of wells in sensitive or vulnerable areas (optional)	concentrations exceeding the MDL but are less than or equal to the MCLs (10)				
Finished Water Quality Data	55	VOC	55	55	55		0	0	0	0	0
from Public		SOC (15)	52	All state aquifers	52		3	0	0	0	0
Water Supply Wells	NO ₂ 55 considered to be vulnerable		considered to	0		0	0	0	0	0	
	Other (16) 55 be vulnerable.	55		2	0	0	0	0			

Major uses of the aquifer or hydrologic unit	_X_ Public water supply	Irrigation	Commercial	Mining	Baseflow Maintenance
	X Private water supply	Thermoelectric	Livestock	Industrial	
Uses affected by water quality problems	_X_ Public water supply	Irrigation	Commercial	Mining	Baseflow Maintenance
(optional) (8)	_X_ Private water supply	Thermoelectric	Livestock	Industrial	

Table 5-4.14 Aquifer Monitoring Data

Hydrogeologic Setting (1) Hawaii - 0504 Southeast Mauna Loa Aquifer Sector, Ka Lae Aquifer System

Spatial Description (optional) (2) See Map: Hawaii Aquifer Sectors and Aquifer Systems

	Total No. of	ъ.	Number	of Wells							
Monitoring Data Type	Wells Used in the Assessment	Parameter Groups	parameter	Nitrate concentrations range from background levels to less than or equal to 5 mg/l No detections or parameters other than nitrate above MDLs or background levels and/or located in areas that are sensitive or vulnerable		Nitrate ranges from greater than 5 to less than or equal to 10 mg/l Other parameters are detected at	Parameters are detected at concentrations exceeding the MCLs (11)	Number of Wells Removed from service	Number of Wells Requiring Special Treatment	Background parameters exceed MCLs (14)	
			ND ⁽⁶⁾	Number of wells in sensitive or vulnerable areas (optional) (7)	Nitrate # 5 mg/l VOC, SOC, and Other parameters not detected (8)	Number of wells in sensitive or vulnerable areas (optional)	concentrations exceeding the MDL but are less than or equal to the MCLs (10)				
Finished Water	4	VOC	4	4	4		0	0	0	0	0
Quality Data from Public Water Supply		SOC (15)	4	All state aquifers con-	4		0	0	0	0	0
Wells	NO ₂ 4 sidered to be vulnerable.		0		0	0	0	0	0		
		Other (16)	4		4		0	0	0	0	0

Major uses of the aquifer or hydrologic unit	_X_ Public water supply	Irrigation	Commercial	Mining	Baseflow Maintenance
	X Private water supply	Thermoelectric	Livestock	Industrial	
Uses affected by water quality problems	_X_ Public water supply	Irrigation	Commercial	Mining	Baseflow Maintenance
(optional) (8)	_X_ Private water supply	Thermoelectric	Livestock	Industrial	

Table 5-4.15 Aquifer Monitoring Data

Hydrogeologic Setting (1) Hawaii - 0601 Southwest Mauna Loa Aquifer Sector, Manuka Aquifer System

Spatial Description (optional) (2) See Map: Hawaii Aquifer Sectors and Aquifer Systems

	Total No. of	-	Number	of Wells							
Data Type	Wells Used in the Assessment	Parameter Groups	parameters above MDLs or background levels from baless that No determine the MDLs and/or its and/o		from background less than or equal No detections or other than nitrate MDLs or backgrand/or located in	itrate concentrations range om background levels to ss than or equal to 5 mg/l o detections or parameters her than nitrate above (DLs or background levels ad/or located in areas that e sensitive or vulnerable		Parameters are detected at concentrations exceeding the MCLs (11)	Number of Wells Removed from service	Number of Wells Requiring Special Treatment	Background parameters exceed MCLs (14)
			ND ⁽⁶⁾	Number of wells in sensitive or vulnerable areas (optional) (7)	Nitrate # 5 mg/l VOC, SOC, and Other parameters not detected (8)	Number of wells in sensitive or vulnerable areas (optional)	concentrations exceeding the MDL but are less than or equal to the MCLs (10)				
Finished Water	4	VOC	4	4	4		0	0	0	0	0
Quality Data from Public Water Supply		SOC (15)	4	All state aquifers con-	4		0	0	0	0	0
Wells		NO ₂	4	sidered to be vulnerable.	0		0	0	0	0	0
		Other (16)	4		4		0	0	0	0	0

Major uses of the aquifer or hydrologic unit	_X_ Public water supply	Irrigation	Commercial	Mining	Baseflow Maintenance
	X Private water supply	Thermoelectric	Livestock	Industrial	
Uses affected by water quality problems (optional) (8)	_X_ Public water supply _X_ Private water supply	Irrigation Thermoelectric	Commercial	Mining Industrial	Baseflow Maintenance

Table 5-4.16 Aquifer Monitoring Data

Hydrogeologic Setting (1) Hawaii - 0602 Southwest Mauna Loa Aquifer Sector, Kaapuna Aquifer System Spatial Description (optional) (2) See Map: Hawaii Aquifer Sectors and Aquifer Systems

	Total No. of	ъ.	Number	of Wells							
Monitoring Data Type	Wells Used in the Assessment	Parameter Groups	parameters above MDLs or background levels		from background less than or equal No detections or other than nitrate MDLs or backgrand/or located in	Nitrate concentrations range from background levels to less than or equal to 5 mg/l No detections or parameters other than nitrate above MDLs or background levels and/or located in areas that are sensitive or vulnerable		Parameters are detected at concentrations exceeding the MCLs (11)	Number of Wells Removed from service	Number of Wells Requiring Special Treatment	Background parameters exceed MCLs (14)
			ND ⁽⁶⁾	Number of wells in sensitive or vulnerable areas (optional) (7)	Nitrate # 5 mg/l VOC, SOC, and Other parameters not detected (8)	Number of wells in sensitive or vulnerable areas (optional)	concentrations exceeding the MDL but are less than or equal to the MCLs (10)				
Finished Water	3	VOC	3	3	3		0	0	0	0	0
Quality Data from Public Water Supply		SOC (15)	3	All state aquifers con-	3		0	0	0	0	0
Wells	NO ₂ 3 sidered to be vulnerable.		0		0	0	0	0	0		
		Other (16)	3		3		0	0	0	0	0

Major uses of the aquifer or hydrologic unit	_X_ Public water supply	Irrigation	Commercial	Mining	Baseflow Maintenance
	X Private water supply	Thermoelectric	Livestock	Industrial	
Uses affected by water quality problems (optional) (8)	_X_ Public water supply _X_ Private water supply	Irrigation Thermoelectric	Commercial	Mining Industrial	Baseflow Maintenance

Table 5-4.17 Aquifer Monitoring Data

Hydrogeologic Setting (1) <u>Hawaii - 0603 Southwest Mauna Loa Aquifer Sector, Kealakekua Aquifer System</u>

Spatial Description (optional) (2) See Map: Hawaii Aquifer Sectors and Aquifer Systems

Monitoring	Total No. of	ъ.	Number	of Wells							
Data Type i	Wells Used in the Assessment (5)	Parameter Groups	No detections of parameters above MDLs or background levels		Nitrate concentrations range from background levels to less than or equal to 5 mg/l No detections or parameters other than nitrate above MDLs or background levels and/or located in areas that are sensitive or vulnerable		Nitrate ranges from greater than 5 to less than or equal to 10 mg/l Other parameters are detected at	Parameters are detected at concentrations exceeding the MCLs (11)	Number of Wells Removed from service	Number of Wells Requiring Special Treatment	Background parameters exceed MCLs (14)
			ND ⁽⁶⁾	Number of wells in sensitive or vulnerable areas (optional) (7)	Nitrate # 5 mg/l VOC, SOC, and Other parameters not detected (8)	Number of wells in sensitive or vulnerable areas (optional)	concentrations exceeding the MDL but are less than or equal to the MCLs (10)				
Finished Water	12	VOC	12	12	12		0	0	0	0	0
Quality Data from Public Water Supply		SOC (15)	12	All state aquifers con-	12		0	0	0	0	0
Wells		NO ₂	11	sidered to be vulnerable.	1		0	0	0	0	0
		Other (16)	12		12		3	0	0	0	0

Major uses of the aquifer or hydrologic unit	_X_ Public water supply	Irrigation	Commercial	Mining	Baseflow Maintenance
	X Private water supply	Thermoelectric	Livestock	Industrial	
Uses affected by water quality problems (optional) (8)	_X_ Public water supply _X_ Private water supply	Irrigation Thermoelectric	Commercial	Mining Industrial	Baseflow Maintenance

Table 5-4.18 Aquifer Monitoring Data

Hydrogeologic Setting (1) <u>Hawaii - 0701 Northwest Mauna Loa Aquifer Sector, Anaehoomalu Aquifer System</u>

Spatial Description (optional) (2) See Map: Hawaii Aquifer Sectors and Aquifer Systems

	Total No. of	ъ.	Number	of Wells							
Data Type in	Wells Used in the Assessment (3)	Parameter Groups	No detections of parameters above MDLs or background levels		Nitrate concentrations range from background levels to less than or equal to 5 mg/l No detections or parameters other than nitrate above MDLs or background levels and/or located in areas that are sensitive or vulnerable		Nitrate ranges from greater than 5 to less than or equal to 10 mg/l Other parameters are detected at	Parameters are detected at concentrations exceeding the MCLs (11)	Number of Wells Removed from service	Number of Wells Requiring Special Treatment	Background parameters exceed MCLs (14)
			ND ⁽⁶⁾	Number of wells in sensitive or vulnerable areas (optional) (7)	Nitrate # 5 mg/l VOC, SOC, and Other parameters not detected (8)	Number of wells in sensitive or vulnerable areas (optional)	concentrations exceeding the MDL but are less than or equal to the MCLs (10)				
Finished Water	15	VOC	15	15	15		0	0	0	0	0
Quality Data from Public Water Supply		SOC (15)	15	All state aquifers con-	15		0	0	0	0	0
Wells		NO ₂	15	sidered to be vulnerable.	0		0	0	0	0	0
		Other (16)	15		15		0	0	0	0	0

Major uses of the aquifer or hydrologic unit	_X_ Public water supply	Irrigation	Commercial	Mining	Baseflow Maintenance
	X Private water supply	Thermoelectric	Livestock	Industrial	
Uses affected by water quality problems	_X_ Public water supply	Irrigation	Commercial	Mining	Baseflow Maintenance
(optional) (8)	_X_ Private water supply	Thermoelectric	Livestock	Industrial	

Table 5-4.19 Aquifer Monitoring Data

Hydrogeologic Setting ⁽¹⁾ Hawaii - 0801 Kilauea Aquifer Sector, Pahoa Aquifer System

Spatial Description (optional) ⁽²⁾ See Map: Hawaii Aquifer Sectors and Aquifer Systems

Map Available (optional) ⁽³⁾ Map available; Section 5-3

Data Reporting Period ⁽⁴⁾ January 1998 - January 2000

	T (IN C	ъ.	Number	of Wells							
Data Type in	Total No. of Wells Used in the Assessment	Parameter Groups	No detections of parameters above MDLs or background levels		Nitrate concentrations range from background levels to less than or equal to 5 mg/l No detections or parameters other than nitrate above MDLs or background levels and/or located in areas that are sensitive or vulnerable		Nitrate ranges from greater than 5 to less than or equal to 10 mg/l Other parameters are detected at	Parameters are detected at concentrations exceeding the MCLs (11)	Number of Wells Removed from service	Number of Wells Requiring Special Treatment	Background parameters exceed MCLs (14)
			ND ⁽⁶⁾	Number of wells in sensitive or vulnerable areas (optional) (7)	Nitrate # 5 mg/l VOC, SOC, and Other parameters not detected (8)	Number of wells in sensitive or vulnerable areas (optional)	concentrations exceeding the MDL but are less than or equal to the MCLs (10)				
Finished Water	18	VOC	18	18	18		0	0	0	0	0
Quality Data from Public Water Supply		SOC (15)	18	All state aquifers con-	18		0	0	0	0	0
Wells		NO ₂	18	sidered to be vulnerable.	0		0	0	0	0	0
		Other (16)	18		18		4	0	0	0	0

Major uses of the aquifer or hydrologic unit	_X_ Public water supply	Irrigation	Commercial	Mining	Baseflow Maintenance
	X Private water supply	Thermoelectric	Livestock	Industrial	
Uses affected by water quality problems (optional) (8)	_X_ Public water supply _X_ Private water supply	Irrigation Thermoelectric	Commercial	Mining Industrial	Baseflow Maintenance

Table 5-4.20 Aquifer Monitoring Data

Hydrogeologic Setting ⁽¹⁾ Hawaii - 0802 Kilauea Aquifer Sector, Kalapana Aquifer System Spatial Description (optional) ⁽²⁾ See Map: Hawaii Aquifer Sectors and Aquifer Systems

Map Available (optional) ⁽³⁾ Map available; Section 5-3

Data Reporting Period (4)

January 1998 - January 2000

	T (IN C	ъ.	Number	of Wells							
Data Type in	Total No. of Wells Used in the Assessment	Parameter Groups	No detections of parameters above MDLs or background levels		Nitrate concentrations range from background levels to less than or equal to 5 mg/l No detections or parameters other than nitrate above MDLs or background levels and/or located in areas that are sensitive or vulnerable		Nitrate ranges from greater than 5 to less than or equal to 10 mg/l Other parameters are detected at	Parameters are detected at concentrations exceeding the MCLs (11)	Number of Wells Removed from service	Number of Wells Requiring Special Treatment	Background parameters exceed MCLs (14)
			ND ⁽⁶⁾	Number of wells in sensitive or vulnerable areas (optional) (7)	Nitrate # 5 mg/l VOC, SOC, and Other parameters not detected (8)	Number of wells in sensitive or vulnerable areas (optional)	concentrations exceeding the MDL but are less than or equal to the MCLs (10)				
Finished Water	19	VOC	19	19	19		0	0	0	0	0
Quality Data from Public Water Supply		SOC (15)	19	All state aquifers con-	19		0	0	0	0	0
Wells		NO ₂	19	sidered to be vulnerable.	0		0	0	0	0	0
		Other (16)	19		19		2	0	0	0	0

Major uses of the aquifer or hydrologic unit	_X_ Public water supply	Irrigation	Commercial	Mining	Baseflow Maintenance
	X Private water supply	Thermoelectric	Livestock	Industrial	
Uses affected by water quality problems (optional) (8)	_X_ Public water supply _X_ Private water supply	Irrigation Thermoelectric	Commercial	Mining Industrial	Baseflow Maintenance

Table 5-4.21 Aquifer Monitoring Data

Hydrogeologic Setting ⁽¹⁾ Hawaii - 0803 Kilauea Aquifer Sector, Hilina Aquifer System

Spatial Description (optional) ⁽²⁾ See Map: Hawaii Aquifer Sectors and Aquifer Systems

Map Available (optional) ⁽³⁾ Map available; Section 5-3

Data Reporting Period ⁽⁴⁾ January 1998 - January 2000

	Total No. of		Number	of Wells							
Data Type in	Wells Used in the Assessment	Parameter Groups	No detections of parameters above MDLs or background levels		Nitrate concentrations range from background levels to less than or equal to 5 mg/l No detections or parameters other than nitrate above MDLs or background levels and/or located in areas that are sensitive or vulnerable		Nitrate ranges from greater than 5 to less than or equal to 10 mg/l Other parameters are detected at	Parameters are detected at concentrations exceeding the MCLs (11)	Number of Wells Removed from service	Number of Wells Requiring Special Treatment	Background parameters exceed MCLs (14)
			ND ⁽⁶⁾	Number of wells in sensitive or vulnerable areas (optional) (7)	Nitrate # 5 mg/l VOC, SOC, and Other parameters not detected (8)	Number of wells in sensitive or vulnerable areas (optional)	concentrations exceeding the MDL but are less than or equal to the MCLs (10)				
Finished Water	1	VOC	1	1	1		0	0	0	0	0
Quality Data from Public Water Supply		SOC (15)	1	All state aquifers con-	1		0	0	0	0	0
Wells		NO ₂	1	sidered to be vulnerable.	0		0	0	0	0	0
		Other (16)	1		1		0	0	0	0	0

Major uses of the aquifer or hydrologic unit	_X_ Public water supply	Irrigation	Commercial	Mining	Baseflow Maintenance
	X Private water supply	Thermoelectric	Livestock	Industrial	
Uses affected by water quality problems	_X_ Public water supply	Irrigation	Commercial	Mining	Baseflow Maintenance
(optional) (8)	_X_ Private water supply	Thermoelectric	Livestock	Industrial	

Table 5-4.22 Aquifer Monitoring Data

Hydrogeologic Setting ⁽¹⁾ Hawaii - 0804 Kilauea Aquifer Sector, Keaiwa Aquifer System Spatial Description (optional) ⁽²⁾ See Map: Hawaii Aquifer Sectors and Aquifer Systems Map Available (optional) ⁽³⁾ Map available; Section 5-3

Data Reporting Period ⁽⁴⁾ <u>January 1998 - January 2000</u>

	Total No. of		Number	of Wells							
Data Type in	Wells Used in the Assessment	Parameter Groups	No detections of parameters above MDLs or background levels		Nitrate concentrations range from background levels to less than or equal to 5 mg/l No detections or parameters other than nitrate above MDLs or background levels and/or located in areas that are sensitive or vulnerable		Nitrate ranges from greater than 5 to less than or equal to 10 mg/l Other parameters are detected at	Parameters are detected at concentrations exceeding the MCLs (11)	Number of Wells Removed from service	Number of Wells Requiring Special Treatment	Background parameters exceed MCLs (14)
			ND ⁽⁶⁾	Number of wells in sensitive or vulnerable areas (optional) (7)	Nitrate # 5 mg/l VOC, SOC, and Other parameters not detected (8)	Number of wells in sensitive or vulnerable areas (optional)	concentrations exceeding the MDL but are less than or equal to the MCLs (10)				
Finished Water	1	VOC	1	1	1		0	0	0	0	0
Quality Data from Public Water Supply		SOC (15)	1	All state aquifers con-	1		0	0	0	0	0
Wells		NO ₂	1	sidered to be vulnerable.	0		0	0	0	0	0
		Other (16)	1		1		0	0	0	0	0

Major uses of the aquifer or hydrologic unit	_X_ Public water supply	Irrigation	Commercial	Mining	Baseflow Maintenance
	X Private water supply	Thermoelectric	Livestock	Industrial	
Uses affected by water quality problems	_X_ Public water supply	Irrigation	Commercial	Mining	Baseflow Maintenance
(optional) (8)	_X_ Private water supply	Thermoelectric	Livestock	Industrial	

Table 5-4.23 Aquifer Monitoring Data

Hydrogeologic Setting (1) <u>Hawaii - 0901 Hualalai Aquifer Sector, Keauhou Aquifer System</u> Spatial Description (optional) (2) <u>See Map: Hawaii Aquifer Sectors and Aquifer Systems</u>

	Total No. of		Number	of Wells							
Data Type	Wells Used in the Assessment (3)	S Used Groups	No detections of parameters above MDLs or background levels		Nitrate concentrations range from background levels to less than or equal to 5 mg/l No detections or parameters other than nitrate above MDLs or background levels and/or located in areas that are sensitive or vulnerable		Nitrate ranges from greater than 5 to less than or equal to 10 mg/l Other parameters are detected at	Parameters are detected at concentrations exceeding the MCLs (11)	Number of Wells Removed from service	Number of Wells Requiring Special Treatment	Background parameters exceed MCLs (14)
			ND ⁽⁶⁾	Number of wells in sensitive or vulnerable areas (optional) (7)	Nitrate # 5 mg/l VOC, SOC, and Other parameters not detected (8)	Number of wells in sensitive or vulnerable areas (optional)	concentrations exceeding the MDL but are less than or equal to the MCLs (10)				
Finished Water	51	VOC	51	51	51		0	0	0	0	0
Quality Data from Public Water Supply		SOC (15)	51	All state aquifers con-	51		0	0	0	0	0
Wells		NO ₂	50	sidered to be vulnerable.	1		0	0	0	0	0
		Other (16)	51		51		6	0	0	0	0

Major uses of the aquifer or hydrologic unit	_X_ Public water supply	Irrigation	Commercial	Mining	Baseflow Maintenance
	X Private water supply	Thermoelectric	Livestock	Industrial	
Uses affected by water quality problems (optional) (8)	_X_ Public water supply	Irrigation	Commercial	Mining	Baseflow Maintenance
(optionar)	_X_ Private water supply	Thermoelectric	Livestock	Industrial	

Table 5-4.24 Aquifer Monitoring Data

Hydrogeologic Setting ⁽¹⁾ Hawaii - 0902 Hualalai Aquifer Sector, Kiholo Aquifer System
Spatial Description (optional) ⁽²⁾ See Map: Hawaii Aquifer Sectors and Aquifer Systems
Map Available (optional) ⁽³⁾ Map available; Section 5-3

Data Reporting Period ⁽⁴⁾ <u>January 1998 - January 2000</u>

	Total No. of	ъ.	Number	of Wells							
Data Type	Wells Used in the Assessment (3)	Parameter Groups	No detections of parameters above MDLs or background levels		Nitrate concentrations range from background levels to less than or equal to 5 mg/l No detections or parameters other than nitrate above MDLs or background levels and/or located in areas that are sensitive or vulnerable		Nitrate ranges from greater than 5 to less than or equal to 10 mg/l Other parameters are detected at	Parameters are detected at concentrations exceeding the MCLs (11)	Number of Wells Removed from service	Number of Wells Requiring Special Treatment	Background parameters exceed MCLs (14)
			ND ⁽⁶⁾	Number of wells in sensitive or vulnerable areas (optional) (7)	Nitrate # 5 mg/l VOC, SOC, and Other parameters not detected (8)	Number of wells in sensitive or vulnerable areas (optional)	concentrations exceeding the MDL but are less than or equal to the MCLs (10)				
Finished Water	24	VOC	24	24	24		0	0	0	0	0
Quality Data from Public Water Supply		SOC (15)	24	All state aquifers con-	24		0	0	0	0	0
Wells		NO ₂	22	sidered to be vulnerable.	2		0	0	0	0	0
		Other (16)	24		24		4	0	0	0	0

Major uses of the aquifer or hydrologic unit	_X_ Public water supply	Irrigation	Commercial	Mining	Baseflow Maintenance
	X Private water supply	Thermoelectric	Livestock	Industrial	
Uses affected by water quality problems	_X_ Public water supply	Irrigation	Commercial	Mining	Baseflow Maintenance
(optional) (8)	_X_ Private water supply	Thermoelectric	Livestock	Industrial	

Table 5-4.25 Aquifer Monitoring Data

Hydrogeologic Setting (1) Kauai - 0101 Lihue Aquifer Sector, Koloa Aquifer System

Spatial Description (optional) (2) See Map: Hawaii Aquifer Sectors and Aquifer Systems

Map Available (optional) (3) Map available; Section 5-3

Data Reporting Period (4) January 1998 - January 2000

	Total No. of	ъ .	Number	of Wells							
Data Type	Wells Used in the Assessment (5)	Parameter Groups	No detections of parameters above MDLs or background levels		Nitrate concentrations range from background levels to less than or equal to 5 mg/l No detections or parameters other than nitrate above MDLs or background levels and/or located in areas that are sensitive or vulnerable		Nitrate ranges from greater than 5 to less than or equal to 10 mg/l Other parameters are detected at	Parameters are detected at concentrations exceeding the MCLs (11)	Number of Wells Removed from service	Number of Wells Requiring Special Treatment	Background parameters exceed MCLs (14)
			ND ⁽⁶⁾	Number of wells in sensitive or vulnerable areas (optional) (7)	Nitrate # 5 mg/l VOC, SOC, and Other parameters not detected (8)	Number of wells in sensitive or vulnerable areas (optional)	concentrations exceeding the MDL but are less than or equal to the MCLs (10)				
Finished Water	49	VOC	49	49	49		0	0	0	0	0
Quality Data from Public Water Supply		SOC (15)	48	All state aquifers con-	48		1	0	1	0	0
Wells		NO ₂	49	sidered to be vulnerable.	0		0	0	0	0	0
		Other (16)	49		49		8	0	0	0	0

Major uses of the aquifer or hydrologic unit	_X_ Public water supply	Irrigation	Commercial	Mining	Baseflow Maintenance
	X Private water supply	Thermoelectric	Livestock	Industrial	
Uses affected by water quality problems	_X_ Public water supply	Irrigation	Commercial	Mining	Baseflow Maintenance
(optional) (8)	_X_ Private water supply	Thermoelectric	Livestock	Industrial	

Table 5-4.26 Aquifer Monitoring Data

Hydrogeologic Setting (1) <u>Kauai - 0102 Lihue Aquifer Sector, Hanamaulu Aquifer System</u> Spatial Description (optional) (2) <u>See Map: Hawaii Aquifer Sectors and Aquifer Systems</u>

	Total No. of	ъ.	Number	of Wells							
Monitoring Data Type	Wells Used in the Assessment (3)	Groups	No detections of parameters above MDLs or background levels		Nitrate concentrations range from background levels to less than or equal to 5 mg/l No detections or parameters other than nitrate above MDLs or background levels and/or located in areas that are sensitive or vulnerable		Nitrate ranges from greater than 5 to less than or equal to 10 mg/l Other parameters are detected at	Parameters are detected at concentrations exceeding the MCLs (11)	Number of Wells Removed from service	Number of Wells Requiring Special Treatment	Background parameters exceed MCLs (14)
			ND ⁽⁶⁾	Number of wells in sensitive or vulnerable areas (optional) (7)	Nitrate # 5 mg/l VOC, SOC, and Other parameters not detected (8)	Number of wells in sensitive or vulnerable areas (optional)	concentrations exceeding the MDL but are less than or equal to the MCLs (10)				
Finished Water	47	VOC	46	47	46		1	0	0	0	0
Quality Data from Public Water Supply		SOC (15)	45	All state aquifers con-	45		2	0	0	0	0
Wells		NO ₂	47	sidered to be vulnerable.	0		0	0	0	0	0
		Other (16)	47		47		0	0	0	0	0

Major uses of the aquifer or hydrologic unit	_X_ Public water supply	Irrigation	Commercial	Mining	Baseflow Maintenance
	X Private water supply	Thermoelectric	Livestock	Industrial	
Uses affected by water quality problems	_X_ Public water supply	Irrigation	Commercial	Mining	Baseflow Maintenance
(optional) (8)	_X_ Private water supply	Thermoelectric	Livestock	Industrial	

Table 5-4.27 Aquifer Monitoring Data

Hydrogeologic Setting ⁽¹⁾ <u>Kauai - 0103 Lihue Aquifer Sector, Wailua Aquifer System</u>
Spatial Description (optional) ⁽²⁾ <u>See Map: Hawaii Aquifer Sectors and Aquifer Systems</u>
Map Available (optional) ⁽³⁾ <u>Map available; Section 5-3</u>
Data Reporting Period ⁽⁴⁾ <u>January 1998 - January 2000</u>

	Total No. of	ъ.	Number	of Wells							
Data Type	Wells Used in the Assessment (5)	Parameter Groups	No detections of parameters above MDLs or background levels		Nitrate concentrations range from background levels to less than or equal to 5 mg/l No detections or parameters other than nitrate above MDLs or background levels and/or located in areas that are sensitive or vulnerable		Nitrate ranges from greater than 5 to less than or equal to 10 mg/l Other parameters are detected at	Parameters are detected at concentrations exceeding the MCLs (11)	Number of Wells Removed from service	Number of Wells Requiring Special Treatment	Background parameters exceed MCLs (14)
			ND ⁽⁶⁾	Number of wells in sensitive or vulnerable areas (optional) (7)	Nitrate # 5 mg/l VOC, SOC, and Other parameters not detected (8)	Number of wells in sensitive or vulnerable areas (optional)	concentrations exceeding the MDL but are less than or equal to the MCLs (10)				
Finished Water	8	VOC	8	8	8		0	0	0	0	0
Quality Data from Public Water Supply		SOC (15)	8	All state aquifers con-	8		0	0	0	0	0
Wells		NO ₂	8	sidered to be vulnerable.	0		0	0	0	0	0
		Other (16)	8		8		2	0	0	0	0

Major uses of the aquifer or hydrologic unit	_X_ Public water supply	Irrigation	Commercial	Mining	Baseflow Maintenance
	X Private water supply	Thermoelectric	Livestock	Industrial	
Uses affected by water quality problems (optional) (8)	_X_ Public water supply _X_ Private water supply	Irrigation Thermoelectric	Commercial	Mining Industrial	Baseflow Maintenance

Table 5-4.28 Aquifer Monitoring Data

Hydrogeologic Setting (1) Kauai - 0104 Lihue Aquifer Sector, Anahola Aquifer System

Spatial Description (optional) (2) See Map: Hawaii Aquifer Sectors and Aquifer Systems

Map Available (optional) (3) Map available; Section 5-3

Data Reporting Period (4) January 1998 - January 2000

	Total No. of	ъ.	Number	of Wells							
Monitoring Data Type	Wells Used in the Assessment	ells Used Groups	No detections of parameters above MDLs or background levels		Nitrate concentrations range from background levels to less than or equal to 5 mg/l No detections or parameters other than nitrate above MDLs or background levels and/or located in areas that are sensitive or vulnerable		Nitrate ranges from greater than 5 to less than or equal to 10 mg/l Other parameters are detected at	Parameters are detected at concentrations exceeding the MCLs (11)	Number of Wells Removed from service	Number of Wells Requiring Special Treatment	Background parameters exceed MCLs (14)
			ND ⁽⁶⁾	Number of wells in sensitive or vulnerable areas (optional) (7)	Nitrate # 5 mg/l VOC, SOC, and Other parameters not detected (8)	Number of wells in sensitive or vulnerable areas (optional)	concentrations exceeding the MDL but are less than or equal to the MCLs (10)				
Finished Water	58	VOC	58	58	58		0	0	0	0	0
Quality Data from Public Water Supply		SOC (15)	58	All state aquifers con-	58		0	0	0	0	0
Wells		NO_2	58	sidered to be vulnerable.	0		0	0	0	0	0
		Other (16)	58		58		2	0	0	0	0

Major uses of the aquifer or hydrologic unit	_X_ Public water supply	Irrigation	Commercial	Mining	Baseflow Maintenance
	X Private water supply	Thermoelectric	Livestock	Industrial	
Uses affected by water quality problems (optional) (8)	_X_ Public water supply	Irrigation	Commercial	Mining	Baseflow Maintenance
(optionar)	_X_ Private water supply	Thermoelectric	Livestock	Industrial	

Table 5-4.29 Aquifer Monitoring Data

Hydrogeologic Setting ⁽¹⁾ Kauai - 0105 Lihue Aquifer Sector, Kilauea Aquifer System
Spatial Description (optional) ⁽²⁾ See Map: Hawaii Aquifer Sectors and Aquifer Systems
Map Available (optional) ⁽³⁾ Map available; Section 5-3
Data Reporting Period ⁽⁴⁾ January 1998 - January 2000

	Total No. of	ъ.	Number	of Wells							
Data Type	Wells Used in the Assessment (3)	Parameter Groups	No detections of parameters above MDLs or background levels		Nitrate concentrations range from background levels to less than or equal to 5 mg/l No detections or parameters other than nitrate above MDLs or background levels and/or located in areas that are sensitive or vulnerable		Nitrate ranges from greater than 5 to less than or equal to 10 mg/l Other parameters are detected at	Parameters are detected at concentrations exceeding the MCLs (11)	Number of Wells Removed from service	Number of Wells Requiring Special Treatment	Background parameters exceed MCLs (14)
			ND ⁽⁶⁾	Number of wells in sensitive or vulnerable areas (optional) (7)	Nitrate # 5 mg/l VOC, SOC, and Other parameters not detected (8)	Number of wells in sensitive or vulnerable areas (optional)	concentrations exceeding the MDL but are less than or equal to the MCLs (10)				
Finished Water	8	VOC	8	8	8		0	0	0	0	0
Quality Data from Public Water Supply		SOC (15)	8	All state aquifers con-	8		0	0	0	0	0
Wells		NO ₂	8	sidered to be vulnerable.	0		0	0	0	0	0
		Other (16)	8		8		3	0	0	0	0

Major uses of the aquifer or hydrologic unit	_X_ Public water supply	Irrigation	Commercial	Mining	Baseflow Maintenance
	X Private water supply	Thermoelectric	Livestock	Industrial	
Uses affected by water quality problems	_X_ Public water supply	Irrigation	Commercial	Mining	Baseflow Maintenance
(optional) (8)	_X_ Private water supply	Thermoelectric	Livestock	Industrial	

Table 5-4.30 Aquifer Monitoring Data

Hydrogeologic Setting ⁽¹⁾ <u>Kauai - 0201 Hanalei Aquifer Sector, Kalihiwai Aquifer System</u> Spatial Description (optional) ⁽²⁾ <u>See Map: Hawaii Aquifer Sectors and Aquifer Systems</u>

	T (IN C	ъ.	Number	of Wells							
Monitoring Data Type	Total No. of Wells Used in the Assessment	Parameter Groups	-	ions of is above MDLs ound levels	from background levels to less than or equal to 5 mg/l No detections or parameters other than nitrate above MDLs or background levels and/or located in areas that		Nitrate ranges from greater than 5 to less than or equal to 10 mg/l Other parameters are detected at	Parameters are detected at concentrations exceeding the MCLs (11)	Number of Wells Removed from service	Number of Wells Requiring Special Treatment	Background parameters exceed MCLs (14)
			ND ⁽⁶⁾	Number of wells in sensitive or vulnerable areas (optional) (7)	Nitrate # 5 mg/l VOC, SOC, and Other parameters not detected (8)	Number of wells in sensitive or vulnerable areas (optional)	concentrations exceeding the MDL but are less than or equal to the MCLs (10)				
Finished Water	9	VOC	9	9	9		0	0	0	0	0
Quality Data from Public Water Supply		SOC (15)	9	All state aquifers con-	9		0	0	0	0	0
Wells		NO ₂	9	sidered to be vulnerable.	0		0	0	0	0	0
		Other (16)	9		9		1	0	0	0	0

Major uses of the aquifer or hydrologic unit	_X_ Public water supply	Irrigation	Commercial	Mining	Baseflow Maintenance
	X Private water supply	Thermoelectric	Livestock	Industrial	
Uses affected by water quality problems	_X_ Public water supply	Irrigation	Commercial	Mining	Baseflow Maintenance
(optional) (8)	_X_ Private water supply	Thermoelectric	Livestock	Industrial	

Table 5-4.31 Aquifer Monitoring Data

Hydrogeologic Setting ⁽¹⁾ <u>Kauai - 0202 Hanalei Aquifer Sector, Hanalei Aquifer System</u>
Spatial Description (optional) ⁽²⁾ <u>See Map: Hawaii Aquifer Sectors and Aquifer Systems</u>
Map Available (optional) ⁽³⁾ <u>Map available; Section 5-3</u>
Data Reporting Period ⁽⁴⁾ <u>January 1998 - January 2000</u>

	T (IN C	ъ.	Number	of Wells							
Monitoring Data Type	Total No. of Wells Used in the Assessment	Parameter Groups		ions of is above MDLs ound levels	Nitrate concentrations range from background levels to less than or equal to 5 mg/l No detections or parameters other than nitrate above MDLs or background levels and/or located in areas that are sensitive or vulnerable		Nitrate ranges from greater than 5 to less than or equal to 10 mg/l Other parameters are detected at	Parameters are detected at concentrations exceeding the MCLs (11)	Number of Wells Removed from service	Number of Wells Requiring Special Treatment	Background parameters exceed MCLs (14)
			ND ⁽⁶⁾	Number of wells in sensitive or vulnerable areas (optional) (7)	Nitrate # 5 mg/l VOC, SOC, and Other parameters not detected (8)	Number of wells in sensitive or vulnerable areas (optional)	concentrations exceeding the MDL but are less than or equal to the MCLs (10)				
Finished Water	4	VOC	4	4	4		0	0	0	0	0
Quality Data from Public Water Supply		SOC (15)	3	All state aquifers con-	3		1	0	0	0	0
Wells		NO ₂	4	sidered to be vulnerable.	0		0	0	0	0	0
		Other (16)	4		4		0	0	0	0	0

Major uses of the aquifer or hydrologic unit	_X_ Public water supply	Irrigation	Commercial	Mining	Baseflow Maintenance
	X Private water supply	Thermoelectric	Livestock	Industrial	
Uses affected by water quality problems (optional) (8)	_X_ Public water supply	Irrigation	Commercial	Mining	Baseflow Maintenance
(optionar)	_X_ Private water supply	Thermoelectric	Livestock	Industrial	

Table 5-4.32 Aquifer Monitoring Data

Hydrogeologic Setting ⁽¹⁾ <u>Kauai - 0203 Hanalei Aquifer Sector, Wainiha Aquifer System</u>
Spatial Description (optional) ⁽²⁾ <u>See Map: Hawaii Aquifer Sectors and Aquifer Systems</u>
Map Available (optional) ⁽³⁾ <u>Map available; Section 5-3</u>

Data Reporting Period ⁽⁴⁾ <u>January 1998 - January 2000</u>

	T (IN C	ъ.	Number	of Wells							
Monitoring Data Type	Total No. of Wells Used in the Assessment	Parameter Groups	-	ions of is above MDLs ound levels	from background levels to less than or equal to 5 mg/l No detections or parameters other than nitrate above MDLs or background levels and/or located in areas that		Nitrate ranges from greater than 5 to less than or equal to 10 mg/l Other parameters are detected at	Parameters are detected at concentrations exceeding the MCLs (11)	Number of Wells Removed from service	Number of Wells Requiring Special Treatment	Background parameters exceed MCLs (14)
			ND ⁽⁶⁾	Number of wells in sensitive or vulnerable areas (optional) (7)	Nitrate # 5 mg/l VOC, SOC, and Other parameters not detected (8)	Number of wells in sensitive or vulnerable areas (optional)	concentrations exceeding the MDL but are less than or equal to the MCLs (10)				
Finished Water	3	VOC	3	3	3		0	0	0	0	0
Quality Data from Public Water Supply		SOC (15)	3	All state aquifers con-	3		0	0	0	0	0
Wells		NO ₂	3	sidered to be vulnerable.	0		0	0	0	0	0
		Other (16)	3		3		2	0	0	0	0

Major uses of the aquifer or hydrologic unit	_X_ Public water supply	Irrigation	Commercial	Mining	Baseflow Maintenance
	X Private water supply	Thermoelectric	Livestock	Industrial	
Uses affected by water quality problems	_X_ Public water supply	Irrigation	Commercial	Mining	Baseflow Maintenance
(optional) (8)	_X_ Private water supply	Thermoelectric	Livestock	Industrial	

Table 5-4.33 Aquifer Monitoring Data

Hydrogeologic Setting (1) Kauai - 0204 Hanalei Aquifer Sector, Napali Aquifer System

Spatial Description (optional) (2) See Map: Hawaii Aquifer Sectors and Aquifer Systems

Map Available (optional) (3) Map available; Section 5-3

Data Reporting Period (4) January 1998 - January 2000

	T . 131 . C		Number	of Wells							
Monitoring Data Type	Total No. of Wells Used in the Assessment	Parameter Groups	-	ions of is above MDLs ound levels	Nitrate concentrations range from background levels to less than or equal to 5 mg/l No detections or parameters other than nitrate above MDLs or background levels and/or located in areas that are sensitive or vulnerable		Nitrate ranges from greater than 5 to less than or equal to 10 mg/l Other parameters are detected at	Parameters are detected at concentrations exceeding the MCLs (11)	Number of Wells Removed from service	Number of Wells Requiring Special Treatment	Background parameters exceed MCLs (14)
			ND ⁽⁶⁾	Number of wells in sensitive or vulnerable areas (optional) (7)	Nitrate # 5 mg/l VOC, SOC, and Other parameters not detected (8)	Number of wells in sensitive or vulnerable areas (optional)	concentrations exceeding the MDL but are less than or equal to the MCLs (10)				
Finished Water	1	VOC	1	1	1		0	0	0	0	0
Quality Data from Public Water Supply		SOC (15)	1	All state aquifers con-	1		0	0	0	0	0
Wells		NO ₂	1	sidered to be vulnerable.	0		0	0	0	0	0
		Other (16)	1		1		0	0	0	0	0

Major uses of the aquifer or hydrologic unit	_X_ Public water supply	Irrigation	Commercial	Mining	Baseflow Maintenance
	X Private water supply	Thermoelectric	Livestock	Industrial	
Uses affected by water quality problems (optional) (8)	_X_ Public water supply _X_ Private water supply	Irrigation Thermoelectric	Commercial	Mining Industrial	Baseflow Maintenance

Table 5-4.34 Aquifer Monitoring Data

Hydrogeologic Setting (1) <u>Kauai - 0301 Waimea Aquifer Sector, Kekaha Aquifer System</u>
Spatial Description (optional) (2) <u>See Map: Hawaii Aquifer Sectors and Aquifer Systems</u>
Map Available (optional) (3) <u>Map available; Section 5-3</u>

Data Reporting Period ⁽⁴⁾ <u>January 1998 - January 2000</u>

	T . IN . C		Number	of Wells							
Monitoring Data Type	Wells Used Groups A Type with the		No detections of parameters above MDLs or background levels		Nitrate concentrations range from background levels to less than or equal to 5 mg/l No detections or parameters other than nitrate above MDLs or background levels and/or located in areas that are sensitive or vulnerable		Nitrate ranges from greater than 5 to less than or equal to 10 mg/l Other parameters are detected at	Parameters are detected at concentrations exceeding the MCLs (11)	Number of Wells Removed from service	Number of Wells Requiring Special Treatment	Background parameters exceed MCLs (14)
			ND ⁽⁶⁾	Number of wells in sensitive or vulnerable areas (optional) (7)	Nitrate # 5 mg/l VOC, SOC, and Other parameters not Number of wells in sensitive or vulnerable		concentrations exceeding the MDL but are less than or equal to the MCLs (10)				
Finished Water	69	VOC	69	69	69		0	0	0	0	0
Quality Data from Public		SOC (15)	69	All state aquifers con-	69		0	0	0	0	0
Water Supply Wells		NO_2	69	sidered to be vulnerable.	0		0	0	0	0	0
		Other (16)	69		69		5	0	0	0	0

Major uses of the aquifer or hydrologic unit	_X_ Public water supply	Irrigation	Commercial	Mining	Baseflow Maintenance
	X Private water supply	Thermoelectric	Livestock	Industrial	
Uses affected by water quality problems (optional) (8)	_X_ Public water supply _X_ Private water supply	Irrigation Thermoelectric	Commercial	Mining Industrial	Baseflow Maintenance

Table 5-4.35 Aquifer Monitoring Data

Hydrogeologic Setting ⁽¹⁾ <u>Kauai - 0302 Waimea Aquifer Sector, Waimea Aquifer System</u>
Spatial Description (optional) ⁽²⁾ <u>See Map: Hawaii Aquifer Sectors and Aquifer Systems</u>
Map Available (optional) ⁽³⁾ <u>Map available; Section 5-3</u>

Data Reporting Period ⁽⁴⁾ <u>January 1998 - January 2000</u>

	T (I N C		Number	of Wells							
Data Type Wells Used in the	Total No. of Wells Used in the Assessment	Parameter Groups	-	ions of rs above MDLs ound levels	Nitrate concentration background less than or equal No detections or other than nitrate MDLs or backgrand/or located in are sensitive or variations.	d levels to al to 5 mg/l parameters e above cound levels a areas that	Nitrate ranges from greater than 5 to less than or equal to 10 mg/l Other parameters are detected at	Parameters are detected at concentrations exceeding the MCLs (11)	Number of Wells Removed from service	Number of Wells Requiring Special Treatment	Background parameters exceed MCLs (14)
			ND ⁽⁶⁾	Number of wells in sensitive or vulnerable areas Nitrate # 5 mg/l Number of wells in sensitive or vulnerable areas		sensitive or vulnerable	concentrations exceeding the MDL but are less than or equal to the MCLs (10)				
Finished Water	12	VOC	12	12	12		0	0	0	0	0
Quality Data from Public		SOC (15)	12	All state aquifers con-	12		0	0	0	0	0
Water Supply Wells		NO ₂	12	sidered to be vulnerable.	0		0	0	0	0	0
		Other (16)	12		12		0	0	0	0	0

Major uses of the aquifer or hydrologic unit	_X_ Public water supply	Irrigation	Commercial	Mining	Baseflow Maintenance
	X Private water supply	Thermoelectric	Livestock	Industrial	
Uses affected by water quality problems (optional) (8)	_X_ Public water supply _X_ Private water supply	IrrigationThermoelectric	Commercial	MiningIndustrial	Baseflow Maintenance

Table 5-4.36 Aquifer Monitoring Data

Hydrogeologic Setting (1) <u>Kauai - 0303 Waimea Aquifer Sector, Makaweli Aquifer System</u> Spatial Description (optional) (2) <u>See Map: Hawaii Aquifer Sectors and Aquifer Systems</u>

	T . IN . C		Number	of Wells							
Monitoring Data Type Total No. of Wells Used in the Assessment	Wells Used	Parameter Groups	No detections of parameters above MDLs or background levels		Nitrate concentration background less than or equal No detections or other than nitrate MDLs or backgrand/or located in are sensitive or version of the sensitive or version of the sensitive or version backgrand.	levels to to 5 mg/l than 5 to less than or equal to 10 mg/l above ound levels areas that ulnerable from greater than 5 to less than or equal to 10 mg/l Other parameters are detected at		Parameters are detected at concentrations exceeding the MCLs (11)	Number of Wells Removed from service	Number of Wells Requiring Special Treatment	Background parameters exceed MCLs (14)
			ND ⁽⁶⁾	Number of wells in sensitive or vulnerable areas (optional) (7)	Nitrate # 5 mg/l VOC, SOC, and Other parameters not detected (8) Number of wells in sensitive or vulnerable areas (optional)		concentrations exceeding the MDL but are less than or equal to the MCLs (10)				
Finished Water	4	VOC	4	4	4		0	0	0	0	0
Quality Data from Public Water Supply		SOC (15)	4	All state aquifers con-	4		0	0	0	0	0
Wells		NO ₂	4	sidered to be vulnerable.	0		0	0	0	0	0
		Other (16)	4		4		2	0	0	0	0

Major uses of the aquifer or hydrologic unit	_X_ Public water supply	Irrigation	rigation Commercial		Baseflow Maintenance
	X Private water supply	Thermoelectric	Livestock	Industrial	
Uses affected by water quality problems (optional) (8)	_X_ Public water supply _X_ Private water supply	Irrigation Thermoelectric	Commercial	Mining Industrial	Baseflow Maintenance

Table 5-4.37 Aquifer Monitoring Data

Hydrogeologic Setting (1) <u>Kauai - 0304 Waimea Aquifer Sector, Hanapepe Aquifer System</u>
Spatial Description (optional) (2) <u>See Map: Hawaii Aquifer Sectors and Aquifer Systems</u>

Man Available (antional) (3) <u>Man available Section 5-2</u>

	T (IN C	ъ.	Number	of Wells							
Monitoring Data Type Total No. of Wells Used in the Assessment (5)	Wells Used	Parameter Groups	No detections of parameters above MDLs or background levels		Nitrate concentration background less than or equal No detections or other than nitrate MDLs or backgrand/or located in are sensitive or version or sensitive or version backgrand.	l levels to l to 5 mg/l parameters e above ound levels areas that	Nitrate ranges from greater than 5 to less than or equal to 10 mg/l Other parameters are detected at	Parameters are detected at concentrations exceeding the MCLs (11)	detected at of Wells of Wells Removed Requiring from Special		Background parameters exceed MCLs (14)
			ND ⁽⁶⁾	Number of wells in sensitive or vulnerable areas (optional) (7)	Nitrate # 5 mg/l Number of wells in sensitive or vulnerable		concentrations exceeding the MDL but are less than or equal to the MCLs (10)				
Finished Water	10	VOC	10	10	10		0	0	0	0	0
Quality Data from Public Water Supply		SOC (15)	10	All state aquifers con-	10		0	0	0	0	0
Wells		NO ₂	9	sidered to be vulnerable.	1		0	0	0	0	0
		Other (16)	10		10		2	0	0	0	0

Major uses of the aquifer or hydrologic unit	_X_ Public water supply	Irrigation	Commercial	Mining	Baseflow Maintenance
	X Private water supply	Thermoelectric	Livestock	Industrial	
Uses affected by water quality problems (optional) (8)	_X_ Public water supply	Irrigation	Commercial	Mining	Baseflow Maintenance
(optionar)	_X_ Private water supply	Thermoelectric	Livestock	Industrial	

Table 5-4.38 Aquifer Monitoring Data

Hydrogeologic Setting ⁽¹⁾ Lanai - 0101 Central Aquifer Sector, Windward Aquifer System Spatial Description (optional) ⁽²⁾ See Map: Hawaii Aquifer Sectors and Aquifer Systems

Map Available (optional) ⁽³⁾ Map available; Section 5-3

Data Reporting Period ⁽⁴⁾ <u>January 1998 - January 2000</u>

	T (IN C	ъ.	Number	of Wells							
Monitoring Data Type	Walls Used				from background levels to less than or equal to 5 mg/l No detections or parameters other than nitrate above MDLs or background levels and/or located in areas that		Nitrate ranges from greater than 5 to less than or equal to 10 mg/l Other parameters are detected at	Parameters are detected at concentrations exceeding the MCLs (11)	Number of Wells Removed from service	Number of Wells Requiring Special Treatment	Background parameters exceed MCLs (14)
			ND ⁽⁶⁾	Number of wells in sensitive or vulnerable areas (optional) (7)	Nitrate # 5 mg/l Number of wells in vOC, SOC, and Other parameters not reas (8)		concentrations exceeding the MDL but are less than or equal to the MCLs (10)				
Finished Water	5	VOC	5	5	5		0	0	0	0	0
Quality Data from Public Water Supply		SOC (15)	5	All state aquifers con-	5		0	0	0	0	0
Wells		NO ₂	5	sidered to be vulnerable.	0		0	0	0	0	0
		Other (16)	5		5		1	0	0	0	0

Major uses of the aquifer or hydrologic unit	_X_ Public water supply	Irrigation	rigation Commercial		Baseflow Maintenance
	X Private water supply	Thermoelectric	Livestock	Industrial	
Uses affected by water quality problems (optional) (8)	_X_ Public water supply _X_ Private water supply	Irrigation Thermoelectric	Commercial	Mining Industrial	Baseflow Maintenance

Table 5-4.39 Aquifer Monitoring Data

Hydrogeologic Setting ⁽¹⁾ Lanai - 0102 Central Aquifer Sector, Leeward Aquifer System

Spatial Description (optional) ⁽²⁾ See Map: Hawaii Aquifer Sectors and Aquifer Systems

Map Available (optional) ⁽³⁾ Map available; Section 5-3

Data Reporting Period ⁽⁴⁾ January 1998 - January 2000

	T . IN . C		Number	of Wells							
Data Type Wells Used in the	Total No. of Wells Used in the Assessment	Parameter Groups		ions of s above MDLs ound levels	Nitrate concentration background less than or equal No detections or other than nitrate MDLs or backgrand/or located in are sensitive or version of the sensitive or version of the sensitive or version backgrand.	d levels to al to 5 mg/l parameters e above round levels a areas that	Nitrate ranges from greater than 5 to less than or equal to 10 mg/l Other parameters are detected at	Parameters are detected at concentrations exceeding the MCLs (11) Number of Wells Removed from service (12)	of Wells Removed from	Number of Wells Requiring Special Treatment	Background parameters exceed MCLs (14)
			ND ⁽⁶⁾	Number of wells in sensitive or vulnerable areas (optional) (7)	Nitrate # 5 mg/l VOC, SOC, and Other parameters not detected (8)	Number of wells in sensitive or vulnerable areas (optional)	concentrations exceeding the MDL but are less than or equal to the MCLs (10)				
Finished Water	13	VOC	13	13	13		0	0	0	0	0
Quality Data from Public		SOC (15)	13	All state aquifers con-	13		0	0	0	0	0
Water Supply Wells		NO ₂	13	sidered to be vulnerable.	0		0	0	0	0	0
		Other (16)	13		13		1	0	0	0	0

Major uses of the aquifer or hydrologic unit	_X_ Public water supply	Irrigation	Commercial	Mining	Baseflow Maintenance
	X Private water supply	Thermoelectric	Livestock	Industrial	
Uses affected by water quality problems (optional) (8)	_X_ Public water supply	Irrigation	Commercial	Mining	Baseflow Maintenance
(optionar)	_X_ Private water supply	Thermoelectric	Livestock	Industrial	

Table 5-4.40 Aquifer Monitoring Data

Hydrogeologic Setting ⁽¹⁾ <u>Lanai - 0201 Mahana Aquifer Sector, Hauloa Aquifer System</u>
Spatial Description (optional) ⁽²⁾ <u>See Map: Hawaii Aquifer Sectors and Aquifer Systems</u>
Map Available (optional) ⁽³⁾ <u>Map available; Section 5-3</u>

Data Reporting Period ⁽⁴⁾ <u>January 1998 - January 2000</u>

	T . 131 . C		Number	of Wells							
Monitoring Data Type	Total No. of Wells Used in the Assessment (5) Parameter Groups No detections of parameters above MDI or background levels		s above MDLs	Nitrate concentrations range from background levels to less than or equal to 5 mg/l No detections or parameters other than nitrate above MDLs or background levels and/or located in areas that are sensitive or vulnerable		Nitrate ranges from greater than 5 to less than or equal to 10 mg/l Other parameters are detected at	Parameters are detected at concentrations exceeding the MCLs (11)	Number of Wells Removed from service	Number of Wells Requiring Special Treatment	Background parameters exceed MCLs (14)	
			ND ⁽⁶⁾	Number of wells in sensitive or vulnerable areas (optional) (7)	Nitrate # 5 mg/l VOC, SOC, and Other parameters not parameters (8) Number of wells in sensitive or vulnerable areas		concentrations exceeding the MDL but are less than or equal to the MCLs (10)				
Finished Water	1	VOC	1	1	1		0	0	0	0	0
Quality Data from Public Water Supply		SOC (15)	1	All state aquifers con-	1		0	0	0	0	0
Wells		NO ₂	1	sidered to be vulnerable.	0		0	0	0	0	0
		Other (16)	1		1		0	0	0	0	0

Major uses of the aquifer or hydrologic unit	_X_ Public water supply	Irrigation	rigation Commercial		Baseflow Maintenance
	X Private water supply	Thermoelectric	Livestock	Industrial	
Uses affected by water quality problems (optional) (8)	_X_ Public water supply _X_ Private water supply	Irrigation Thermoelectric	Commercial	Mining Industrial	Baseflow Maintenance

Table 5-4.41 Aquifer Monitoring Data

Hydrogeologic Setting (1) <u>Lanai - 0202 Mahana Aquifer Sector, Maunalei Aquifer System</u>
Spatial Description (optional) (2) <u>See Map: Hawaii Aquifer Sectors and Aquifer Systems</u>
Map Available (optional) (3) <u>Map available; Section 5-3</u>

Data Reporting Period ⁽⁴⁾ <u>January 1998 - January 2000</u>

	T (IN C	ъ.	Number	of Wells							
Data Type Wells Used in the	Total No. of Wells Used in the Assessment	Parameter Groups		ions of is above MDLs ound levels	Nitrate concentration background less than or equal No detections or other than nitrate MDLs or backgrand/or located in are sensitive or version of the sensitive or version of the sensitive or version backgrand.	d levels to al to 5 mg/l parameters e above round levels a areas that	from greater detected at than 5 to less concentrat	Parameters are detected at concentrations exceeding the MCLs (11)	Number of Wells Removed from service	Number of Wells Requiring Special Treatment	Background parameters exceed MCLs (14)
			ND ⁽⁶⁾	Number of wells in sensitive or vulnerable areas (optional) (7)	Nitrate # 5 mg/l VOC, SOC, and Other parameters not detected (8)	Number of wells in sensitive or vulnerable areas (optional)					
Finished Water	1	VOC	1	1	1		0	0	0	0	0
Quality Data from Public Water Supply		SOC (15)	1	All state aquifers con-	1		0	0	0	0	0
Wells		NO ₂	1	sidered to be vulnerable.	0		0	0	0	0	0
		Other (16)	1		1		0	0	0	0	0

Major uses of the aquifer or hydrologic unit	_X_ Public water supply	Irrigation	Commercial	Mining	Baseflow Maintenance
	X Private water supply	Thermoelectric	Livestock	Industrial	
Uses affected by water quality problems (optional) (8)	_X_ Public water supply _X_ Private water supply	Irrigation Thermoelectric	Commercial	Mining Industrial	Baseflow Maintenance

Table 5-4.42 Aquifer Monitoring Data

Hydrogeologic Setting ⁽¹⁾ Lanai - 0203 Mahana Aquifer Sector, Lapaiki Aquifer System

Spatial Description (optional) ⁽²⁾ See Map: Hawaii Aquifer Sectors and Aquifer Systems

Map Available (optional) ⁽³⁾ Map available; Section 5-3

Data Reporting Period ⁽⁴⁾ January 1998 - January 2000

	T (IN C	ъ.	Number	of Wells							
Monitoring Data Type Total No. of Wells Used in the Assessment (5)	Parameter Groups	-	ions of is above MDLs ound levels	Nitrate concentration background less than or equal No detections or other than nitrate MDLs or backgrand/or located in are sensitive or version or sensitive or version backgrand.	d levels to al to 5 mg/l parameters e above round levels a areas that	Nitrate ranges from greater than 5 to less than or equal to 10 mg/l Other parameters are detected at	Parameters are detected at concentrations exceeding the MCLs (11)	Number of Wells Removed from service	Number of Wells Requiring Special Treatment	Background parameters exceed MCLs (14)	
	ND (6) Number of wells in sensitive or vulnerable Number of vulnerable Nitrate # 5 mg/l Number of wells in sensitive or vulnerable or vulnerab	concentrations exceeding the MDL but are less than or equal to the MCLs (10)									
Finished Water	0	VOC	0	0	0		0	0	0	0	0
Quality Data from Public Water Supply		SOC (15)	0	All state aquifers con-	0		0	0	0	0	0
Wells		NO ₂	0	sidered to be vulnerable.	0		0	0	0	0	0
		Other (16)	0		0		0	0	0	0	0

Major uses of the aquifer or hydrologic unit	_X_ Public water supply	Irrigation	Commercial	Mining	Baseflow Maintenance
	X Private water supply	Thermoelectric	Livestock	Industrial	
Uses affected by water quality problems (optional) (8)	_X_ Public water supply _X_ Private water supply	Irrigation Thermoelectric	Commercial	Mining Industrial	Baseflow Maintenance

Table 5-4.43 Aquifer Monitoring Data

Hydrogeologic Setting (1) Lanai - 0301 Kaa Aquifer Sector, Honopu Aquifer System

Spatial Description (optional) (2) See Map: Hawaii Aquifer Sectors and Aquifer Systems

Map Available (optional) (3) Map available; Section 5-3

Data Reporting Period (4) January 1998 - January 2000

	T (IN C	ъ.	Number	of Wells							
Monitoring Data Type Total No. of Wells Used in the Assessment (5)	Parameter Groups	-	ions of is above MDLs ound levels	Nitrate concentration background less than or equal No detections or other than nitrate MDLs or backgrand/or located in are sensitive or version or sensitive or version backgrand.	d levels to al to 5 mg/l parameters e above round levels a areas that	Nitrate ranges from greater than 5 to less than or equal to 10 mg/l Other parameters are detected at	Parameters are detected at concentrations exceeding the MCLs (11)	Number of Wells Removed from service	Number of Wells Requiring Special Treatment	Background parameters exceed MCLs (14)	
	ND (6) Number of wells in sensitive or vulnerable Number of vulnerable Nitrate # 5 mg/l Number of wells in sensitive or vulnerable or vulnerab	concentrations exceeding the MDL but are less than or equal to the MCLs (10)									
Finished Water	0	VOC	0	0	0		0	0	0	0	0
Quality Data from Public Water Supply		SOC (15)	0	All state aquifers con-	0		0	0	0	0	0
Wells		NO ₂	0	sidered to be vulnerable.	0		0	0	0	0	0
		Other (16)	0		0		0	0	0	0	0

Major uses of the aquifer or hydrologic unit	_X_ Public water supply	Irrigation	Commercial	Mining	Baseflow Maintenance
	X Private water supply	Thermoelectric	Livestock	Industrial	
Uses affected by water quality problems (optional) (8)	_X_ Public water supply _X_ Private water supply	Irrigation Thermoelectric	Commercial	Mining Industrial	Baseflow Maintenance

Table 5-4.44 Aquifer Monitoring Data

Hydrogeologic Setting ⁽¹⁾ <u>Lanai - 0302 Kaa Aquifer Sector, Kaumalapau Aquifer System</u>
Spatial Description (optional) ⁽²⁾ <u>See Map: Hawaii Aquifer Sectors and Aquifer Systems</u>
Map Available (optional) ⁽³⁾ <u>Map available; Section 5-3</u>
Data Reporting Period ⁽⁴⁾ <u>January 1998 - January 2000</u>

	T (IN C	ъ.	Number	of Wells							
Monitoring Data Type Total No. of Wells Used in the Assessment (5)	Parameter Groups	-	ions of is above MDLs ound levels	Nitrate concentration background less than or equal No detections or other than nitrate MDLs or backgrand/or located in are sensitive or version or sensitive or version backgrand.	d levels to al to 5 mg/l parameters e above round levels a areas that	Nitrate ranges from greater than 5 to less than or equal to 10 mg/l Other parameters are detected at	Parameters are detected at concentrations exceeding the MCLs (11)	Number of Wells Removed from service	Number of Wells Requiring Special Treatment	Background parameters exceed MCLs (14)	
	ND (6) Number of wells in sensitive or vulnerable Number of vulnerable Nitrate # 5 mg/l Number of wells in sensitive or vulnerable or vulnerab	concentrations exceeding the MDL but are less than or equal to the MCLs (10)									
Finished Water	0	VOC	0	0	0		0	0	0	0	0
Quality Data from Public Water Supply		SOC (15)	0	All state aquifers con-	0		0	0	0	0	0
Wells		NO ₂	0	sidered to be vulnerable.	0		0	0	0	0	0
		Other (16)	0		0		0	0	0	0	0

Major uses of the aquifer or hydrologic unit	_X_ Public water supply	Irrigation	Commercial	Mining	Baseflow Maintenance
	X Private water supply	Thermoelectric	Livestock	Industrial	
Uses affected by water quality problems	_X_ Public water supply	Irrigation	Commercial	Mining	Baseflow Maintenance
(optional) (8)	_X_ Private water supply	Thermoelectric	Livestock	Industrial	

Table 5-4.45 Aquifer Monitoring Data

Hydrogeologic Setting (1) Lanai - 0401 Manele Aquifer Sector, Kealia Aquifer System

Spatial Description (optional) (2) See Map: Hawaii Aquifer Sectors and Aquifer Systems

Map Available (optional) (3) Map available; Section 5-3

Data Reporting Period (4) January 1998 - January 2000

	T . 131 . C		Number	of Wells							
Monitoring Data Type Total No. of Wells Used in the Assessment (5)	Parameter Groups	-	ions of is above MDLs ound levels	Nitrate concentration background less than or equal No detections or other than nitrate MDLs or backgrand/or located in are sensitive or version or sensitive or version backgrand.	d levels to al to 5 mg/l parameters e above round levels a areas that	Nitrate ranges from greater than 5 to less than or equal to 10 mg/l Other parameters are detected at	Parameters are detected at concentrations exceeding the MCLs (11)	Number of Wells Removed from service	Number of Wells Requiring Special Treatment	Background parameters exceed MCLs (14)	
			ND ⁽⁶⁾	Number of wells in sensitive or Other SOC, and Other Concentration exceeding the MDL but are less than or Concentration excentration exceeding the MDL but are less than or Concentration excentration exceeding the MDL but are less than or Concentration excentration excentrati	equal to the						
Finished Water	1	VOC	1	1	1		0	0	0	0	0
Quality Data from Public Water Supply		SOC (15)	1	All state aquifers con-	1		0	0	0	0	0
Wells		NO ₂	1	sidered to be vulnerable.	0		0	0	0	0	0
		Other (16)	1		1		0	0	0	0	0

Major uses of the aquifer or hydrologic unit	_X_ Public water supply	Irrigation	Commercial	Mining	Baseflow Maintenance
	X Private water supply	Thermoelectric	Livestock	Industrial	
Uses affected by water quality problems (optional) (8)	_X_ Public water supply _X_ Private water supply	Irrigation Thermoelectric	Commercial	Mining Industrial	Baseflow Maintenance

Table 5-4.46 Aquifer Monitoring Data

Hydrogeologic Setting (1) Lanai - 0402 Manele Aquifer Sector, Manele Aquifer System

Spatial Description (optional) (2) See Map: Hawaii Aquifer Sectors and Aquifer Systems

Map Available (optional) (3) Map available; Section 5-3

Data Reporting Period (4) January 1998 - January 2000

	T (IN C	ъ .	Number	of Wells							
Monitoring Data Type Total No. of Wells Used in the Assessment (5)	Groups	-	ions of is above MDLs ound levels	from background levels to less than or equal to 5 mg/l No detections or parameters other than nitrate above MDLs or background levels and/or located in areas that are sensitive or vulnerable from that that that that that that that detections or parameters other than nitrate above MDLs or background levels and/or located in areas that detections.		Nitrate ranges from greater than 5 to less than or equal to 10 mg/l Other parameters are detected at	Parameters are detected at concentrations exceeding the MCLs (11)	d at of Wells rations Removed from	Number of Wells Requiring Special Treatment	Background parameters exceed MCLs (14)	
			ND ⁽⁶⁾	Number of wells in sensitive or vulnerable areas (optional) (7)	Nitrate # 5 mg/l VOC, SOC, and Other parameters not detected (8)	Number of wells in sensitive or vulnerable areas (optional)	concentrations exceeding the MDL but are less than or equal to the MCLs (10)				
Finished Water	2	VOC	2	2	2		0	0	0	0	0
Quality Data from Public Water Supply		SOC (15)	2	All state aquifers con-	2		0	0	0	0	0
Wells		NO ₂	2	sidered to be vulnerable.	0		0	0	0	0	0
		Other (16)	2		2		0	0	0	0	0

Major uses of the aquifer or hydrologic unit	_X_ Public water supply	Irrigation	Commercial	Mining	Baseflow Maintenance
	X Private water supply	Thermoelectric	Livestock	Industrial	
Uses affected by water quality problems	_X_ Public water supply	Irrigation	Commercial	Mining	Baseflow Maintenance
(optional) (8)	_X_ Private water supply	Thermoelectric	Livestock	Industrial	

Table 5-4.47 Aquifer Monitoring Data

Hydrogeologic Setting (1) <u>Maui - 0101 Wailuku Aquifer Sector, Waikapu Aquifer System</u>
Spatial Description (optional) (2) <u>See Map: Hawaii Aquifer Sectors and Aquifer Systems</u>
Map Available (optional) (3) <u>Map available; Section 5-3</u>

Data Reporting Period ⁽⁴⁾ <u>January 1998 - January 2000</u>

	T (IN C	ъ.	Number	of Wells							
Data Type Well in th	Total No. of Wells Used in the Assessment	Parameter Groups	No detections of parameters above MDLs or background levels		Nitrate concentration background less than or equal No detections or other than nitrate MDLs or backgrand/or located in are sensitive or version or sensitive or version backgrand.	d levels to al to 5 mg/l parameters e above round levels a areas that	from greater than 5 to less than or equal to 10 mg/l Other parameters are detected at concentrations exceeding the parameters are detected at detected at concentrations exceeding the MCLs (11) of Wells Removed from service (12) of Wells Removed from service (13)		Number of Wells Requiring Special Treatment	Background parameters exceed MCLs (14)	
			ND ⁽⁶⁾	Number of wells in sensitive or vulnerable areas (optional) (7)	Nitrate # 5 mg/l VOC, SOC, and Other parameters not detected (8)	Number of wells in sensitive or vulnerable areas (optional)	concentrations exceeding the MDL but are less than or equal to the MCLs (10)				
Finished Water	7	VOC	7	7	7		0	0	0	0	0
Quality Data from Public Water Supply		SOC (15)	7	All state aquifers con-	7		0	0	0	0	0
Wells		NO ₂	7	sidered to be vulnerable.	0		0	0	0	0	0
		Other (16)	7		7		0	0	0	0	0

Major uses of the aquifer or hydrologic unit	_X_ Public water supply	Irrigation	Commercial	Mining	Baseflow Maintenance
	X Private water supply	Thermoelectric	Livestock	Industrial	
Uses affected by water quality problems (optional) (8)	_X_ Public water supply _X_ Private water supply	Irrigation Thermoelectric	Commercial	Mining Industrial	Baseflow Maintenance

Table 5-4.48 Aquifer Monitoring Data

Hydrogeologic Setting (1) Maui - 0102 Wailuku Aquifer Sector, Iao Aquifer System

Spatial Description (optional) (2) See Map: Hawaii Aquifer Sectors and Aquifer Systems

Map Available (optional) (3) Map available; Section 5-3

Data Reporting Period (4) January 1998 - January 2000

	T (IN C	Parameter	Number	of Wells							
Data Type Wells U	Total No. of Wells Used in the Assessment	ells Used Groups	No detections of parameters above MDLs or background levels		Nitrate concentration background less than or equal No detections or other than nitrate MDLs or backgrand/or located in are sensitive or version of the sensitive or version backgrand.	d levels to al to 5 mg/l parameters e above round levels a areas that	from greater than 5 to less than or equal to 10 mg/l Other parameters are detected at concentrations exceeding the MCLs (11) Other parameters are detected at		Number of Wells Requiring Special Treatment	Background parameters exceed MCLs (14)	
			ND ⁽⁶⁾	Number of wells in sensitive or vulnerable areas (optional) (7)	Nitrate # 5 mg/l VOC, SOC, and Other parameters not detected (8)	Number of wells in sensitive or vulnerable areas (optional)	concentrations exceeding the MDL but are less than or equal to the MCLs (10)				
Finished Water	46	VOC	46	46	46		0	0	0	0	0
Quality Data from Public Water Supply		SOC (15)	45	All state aquifers con-	45		1	0	0	0	0
Wells		NO ₂	46	sidered to be vulnerable.	0		0	0	0	0	0
		Other (16)	46		46		0	0	0	0	0

Major uses of the aquifer or hydrologic unit	_X_ Public water supply	Irrigation	rrigation Commercial		Baseflow Maintenance
	X Private water supply	Thermoelectric	Livestock	Industrial	
Uses affected by water quality problems (optional) (8)	_X_ Public water supply _X_ Private water supply	Irrigation Thermoelectric	Commercial	Mining	Baseflow Maintenance

Table 5-4.49 Aquifer Monitoring Data

Hydrogeologic Setting ⁽¹⁾ Maui - 0103 Wailuku Aquifer Sector, Waihee Aquifer System
Spatial Description (optional) ⁽²⁾ See Map: Hawaii Aquifer Sectors and Aquifer Systems
Map Available (optional) ⁽³⁾ Map available; Section 5-3
Data Reporting Period ⁽⁴⁾ January 1998 - January 2000

	Total No. of	ъ.	Number	of Wells							
Data Type	Wells Used in the Assessment (5)	Parameter Groups	No detections of parameters above MDLs or background levels		Nitrate concentration background less than or equal No detections or other than nitrate MDLs or backgrand/or located in are sensitive or version of the sensitive or version of the sensitive or version backgrand.	d levels to al to 5 mg/l parameters e above round levels a areas that	Nitrate ranges from greater than 5 to less than or equal to 10 mg/l Other parameters are detected at	Parameters are detected at concentrations exceeding the MCLs (11)	Number of Wells Removed from service	Number of Wells Requiring Special Treatment	Background parameters exceed MCLs (14)
			ND ⁽⁶⁾	Number of wells in sensitive or vulnerable areas (optional) (7)	Nitrate # 5 mg/l VOC, SOC, and Other parameters not detected (8)	Number of wells in sensitive or vulnerable areas (optional)	concentrations exceeding the MDL but are less than or equal to the MCLs (10)				
Finished Water	9	VOC	9	9	9		0	0	0	0	0
Quality Data from Public Water Supply		SOC (15)	9	All state aquifers con-	9		0	0	0	0	0
Wells		NO_2	9	sidered to be vulnerable.	0		0	0	0	0	0
		Other (16)	9		9		0	0	0	0	0

Major uses of the aquifer or hydrologic unit	_X_ Public water supply	Irrigation	igation Commercial		Baseflow Maintenance
	X Private water supply	Thermoelectric	Livestock	Industrial	
Uses affected by water quality problems	_X_ Public water supply	Irrigation	Commercial	Mining	Baseflow Maintenance
(optional) (8)	_X_ Private water supply	Thermoelectric	Livestock	Industrial	

Table 5-4.50 Aquifer Monitoring Data

Hydrogeologic Setting (1) Maui - 0104 Wailuku Aquifer Sector, Kahakuloa Aquifer System Spatial Description (optional) (2) See Map: Hawaii Aquifer Sectors and Aquifer Systems

Man Applicable (antique) (3) Man applicable Section 5.2

	T (IN C	ъ.	Number	of Wells							
Data Type Wells in the	Total No. of Wells Used in the Assessment	Parameter Groups	-	ions of is above MDLs ound levels	Nitrate concentration background less than or equal No detections or other than nitrate MDLs or backgrand/or located in are sensitive or version or sensitive or version backgrand.	d levels to al to 5 mg/l parameters e above round levels a areas that	Nitrate ranges from greater than 5 to less than or equal to 10 mg/l Other parameters are detected at	Parameters are detected at concentrations exceeding the MCLs (11)	Number of Wells Removed from service	Number of Wells Requiring Special Treatment	Background parameters exceed MCLs (14)
			ND ⁽⁶⁾	Number of wells in sensitive or vulnerable areas (optional) (7)	Nitrate # 5 mg/l VOC, SOC, and Other parameters not detected (8)	Number of wells in sensitive or vulnerable areas (optional)	concentrations exceeding the MDL but are less than or equal to the MCLs (10)				
Finished Water	0	VOC	0	0	0		0	0	0	0	0
Quality Data from Public Water Supply		SOC (15)	0	All state aquifers con-	0		0	0	0	0	0
Wells		NO ₂	0	sidered to be vulnerable.	0		0	0	0	0	0
		Other (16)	0		0		0	0	0	0	0

Major uses of the aquifer or hydrologic unit	_X_ Public water supply	Irrigation	Commercial	Mining	Baseflow Maintenance
	X Private water supply	Thermoelectric	Livestock	Industrial	
Uses affected by water quality problems (optional) (8)	_X_ Public water supply _X_ Private water supply	Irrigation Thermoelectric	Commercial	Mining Industrial	Baseflow Maintenance

Table 5-4.51 Aquifer Monitoring Data

Hydrogeologic Setting (1) <u>Maui - 0201 Lahaina Aquifer Sector, Honokohau Aquifer System</u>
Spatial Description (optional) (2) <u>See Map: Hawaii Aquifer Sectors and Aquifer Systems</u>

Man Available (aptional) (3) <u>Man available Section 5-2</u>

	T (IN C	ъ.	Number	of Wells							
Data Type Well in the	Total No. of Wells Used in the Assessment	Parameter Groups	No detections of parameters above MDLs or background levels		Nitrate concentration background less than or equal No detections or other than nitrate MDLs or backgrand/or located in are sensitive or version of the sensitive or version backgrand.	d levels to al to 5 mg/l parameters e above cound levels a areas that	from greater than 5 to less than or equal to 10 mg/l Other parameters are detected at concentrations exceeding the parameters are detected at		Number of Wells Requiring Special Treatment	Background parameters exceed MCLs (14)	
			ND ⁽⁶⁾	Number of wells in sensitive or vulnerable areas (optional) (7)	Nitrate # 5 mg/l VOC, SOC, and Other parameters not detected (8)	Number of wells in sensitive or vulnerable areas (optional)	concentrations exceeding the MDL but are less than or equal to the MCLs (10)				
Finished Water	3	VOC	3	3	3		0	0	0	0	0
Quality Data from Public Water Supply		SOC (15)	3	All state aquifers con-	3		0	0	0	0	0
Wells		NO ₂	3	sidered to be vulnerable.	0		0	0	0	0	0
		Other (16)	3		3		0	0	0	0	0

Major uses of the aquifer or hydrologic unit	_X_ Public water supply	Irrigation	igation Commercial		Baseflow Maintenance
	X Private water supply	Thermoelectric	Livestock	Industrial	
Uses affected by water quality problems	_X_ Public water supply	Irrigation	Commercial	Mining	Baseflow Maintenance
(optional) (8)	_X_ Private water supply	Thermoelectric	Livestock	Industrial	

Table 5-4.52 Aquifer Monitoring Data

Hydrogeologic Setting (1) Maui - 0202 Lahaina Aquifer Sector, Honolua Aquifer System Spatial Description (optional) (2) See Map: Hawaii Aquifer Sectors and Aquifer Systems Map Available (optional) (3) Map available; Section 5-3 Data Reporting Period (4)

<u>January 1998 - January 2000</u>

	Total No. of	Groups	Number	of Wells							
Data Type	Wells Used in the Assessment (5)			ions of s above MDLs ound levels	Nitrate concentrations range from background levels to less than or equal to 5 mg/l No detections or parameters other than nitrate above MDLs or background levels and/or located in areas that are sensitive or vulnerable		Nitrate ranges from greater than 5 to less than or equal to 10 mg/l Other parameters are detected at	Parameters are detected at concentrations exceeding the MCLs (11)	Number of Wells Removed from service	Number of Wells Requiring Special Treatment	Background parameters exceed MCLs (14)
			ND ⁽⁶⁾	Number of wells in sensitive or vulnerable areas (optional) (7)	Nitrate # 5 mg/l VOC, SOC, and Other parameters not detected (8)	Number of wells in sensitive or vulnerable areas (optional)	concentrations exceeding the MDL but are less than or equal to the MCLs (10)				
Finished Water	12	VOC	12	12	12		0	0	0	0	0
Quality Data from Public		SOC (15)	11	All state aquifers con-	11		1	0	0	0	0
Water Supply Wells	NO_2	12	sidered to be vulnerable.	0		0	0	0	0	0	
		Other (16)	12		12		0	0	0	0	0

Major uses of the aquifer or hydrologic unit	_X_ Public water supply	_X_ Irrigation	Commercial	Mining	_X_ Baseflow Maintenance
	X Private water supply	Thermoelectric	Livestock	Industrial	
Uses affected by water quality problems (optional) (8)	_X_ Public water supply	Irrigation	Commercial	Mining	Baseflow Maintenance
(optionar)	_X_ Private water supply	Thermoelectric	Livestock	Industrial	

Table 5-4.53 Aquifer Monitoring Data

Hydrogeologic Setting ⁽¹⁾ <u>Maui - 0203 Lahaina Aquifer Sector, Honokowai Aquifer System</u> Spatial Description (optional) ⁽²⁾ <u>See Map: Hawaii Aquifer Sectors and Aquifer Systems</u>

	T (IN C	Parameter	Number	of Wells							
Monitoring Data Type	Walls Used		_	ions of s above MDLs ound levels	bove MDLs from background levels to less than or equal to 5 mg/l No detections or parameters other than nitrate above MDLs or background levels and/or located in areas that		Nitrate ranges from greater than 5 to less than or equal to 10 mg/l Other parameters are detected at	Parameters are detected at concentrations exceeding the MCLs (11)	ted at of Wells Removed from	Number of Wells Requiring Special Treatment	Background parameters exceed MCLs (14)
			ND ⁽⁶⁾	Number of wells in sensitive or vulnerable areas (optional) (7)	Nitrate # 5 mg/l VOC, SOC, and Other parameters not detected (8)	octrate # 5 mg/l Number of wells in sensitive or vulnerable contract with the contract of the contract wells in sensitive or vulnerable contract wells in sensitive or vulnerable contract with the contract of the contract with the contract of the contract					
Finished Water	30	VOC	27	27	27		3	0	0	0	0
Quality Data from Public Water Supply		SOC (15)	27	All state aquifers con-	27		3	0	0	0	0
Wells		NO ₂	30	sidered to be vulnerable.	0		0	0	0	0	0
		Other (16)	30		30		0	0	0	0	0

Major uses of the aquifer or hydrologic unit	_X_ Public water supply	_X_ Irrigation	Commercial	Mining	Baseflow Maintenance
	X Private water supply	Thermoelectric	Livestock	Industrial	
Uses affected by water quality problems (optional) (8)	_X_ Public water supply	Irrigation	Commercial	Mining	Baseflow Maintenance
(optionar)	_X_ Private water supply	Thermoelectric	Livestock	Industrial	

Table 5-4.54 Aquifer Monitoring Data

Hydrogeologic Setting (1) <u>Maui - 0204 Lahaina Aquifer Sector, Launiupoku Aquifer System</u> Spatial Description (optional) (2) <u>See Map: Hawaii Aquifer Sectors and Aquifer Systems</u>

	T (IN C	Parameter	Number	of Wells							
Monitoring Data Type	Monitoring Data Type Total No. of Wells Used in the Assessment (5)		-	ions of s above MDLs ound levels	MDLs from background levels to less than or equal to 5 mg/l No detections or parameters other than nitrate above MDLs or background levels and/or located in areas that are sensitive or vulnerable		Nitrate ranges from greater than 5 to less than or equal to 10 mg/l Other parameters are detected at	Parameters are detected at concentrations exceeding the MCLs (11)	d at of Wells removed from	Number of Wells Requiring Special Treatment	Background parameters exceed MCLs (14)
			ND ⁽⁶⁾	Number of wells in sensitive or vulnerable areas (optional) (7)	Nitrate # 5 mg/l VOC, SOC, and Other parameters not detected (8)	# 5 mg/l Number of exceeding wells in sensitive or vulnerable equal to					
Finished Water	24	VOC	24	24	24		0	0	0	0	0
Quality Data from Public Water Supply		SOC (15)	24	All state aquifers con-	24		0	0	0	0	0
Wells		NO ₂	24	sidered to be vulnerable.	0		0	0	0	0	0
		Other (16)	24		24		0	0	0	0	0

Major uses of the aquifer or hydrologic unit	_X_ Public water supply	_X_ Irrigation	Commercial	Mining	Baseflow Maintenance
	X Private water supply	Thermoelectric	Livestock	Industrial	
Uses affected by water quality problems	_X_ Public water supply	Irrigation	Commercial	Mining	Baseflow Maintenance
(optional) (8)	_X_ Private water supply	Thermoelectric	Livestock	Industrial	

Table 5-4.55 Aquifer Monitoring Data

Hydrogeologic Setting ⁽¹⁾ Maui - 0205 Lahaina Aquifer Sector, Olowalu Aquifer System
Spatial Description (optional) ⁽²⁾ See Map: Hawaii Aquifer Sectors and Aquifer Systems
Map Available (optional) ⁽³⁾ Map available; Section 5-3
Data Reporting Period ⁽⁴⁾ January 1998 - January 2000

	T (I N C		Number	of Wells							
Monitoring Data Type Total No. of Wells Used in the Assessment (5)	Parameter Groups		ions of rs above MDLs ound levels	Nitrate concentration background less than or equal No detections or other than nitrate MDLs or backgrand/or located in are sensitive or version of the sensitive or version of the sensitive or version backgrand.	d levels to al to 5 mg/l parameters e above cound levels a areas that	Nitrate ranges from greater than 5 to less than or equal to 10 mg/l Other parameters are detected at	Parameters are detected at concentrations exceeding the MCLs (11)	of Wells of Wel Removed Requir from Specia	Number of Wells Requiring Special Treatment	Background parameters exceed MCLs (14)	
			ND ⁽⁶⁾	Number of wells in sensitive or vulnerable areas (optional) (7)	Nitrate # 5 mg/l VOC, SOC, and Other parameters not detected (8)	l Number of wells in MDI but or					
Finished Water	4	VOC	4	4	4		0	0	0	0	0
Quality Data from Public Water Supply		SOC (15)	4	All state aquifers con-	4		0	0	0	0	0
Wells		NO ₂	4	sidered to be vulnerable.	0		0	0	0	0	0
		Other (16)	4		4		0	0	0	0	0

Major uses of the aquifer or hydrologic unit	_X_ Public water supply	_X_ Irrigation	Commercial	Mining	Baseflow Maintenance
	X Private water supply	Thermoelectric	Livestock	Industrial	
Uses affected by water quality problems	_X_ Public water supply	Irrigation	Commercial	Mining	Baseflow Maintenance
(optional) (8)	_X_ Private water supply	Thermoelectric	Livestock	Industrial	

Table 5-4.56 Aquifer Monitoring Data

Hydrogeologic Setting ⁽¹⁾ <u>Maui - 0206 Lahaina Aquifer Sector, Ukumehame Aquifer System</u> Spatial Description (optional) ⁽²⁾ <u>See Map: Hawaii Aquifer Sectors and Aquifer Systems</u>

	T . 131 . C		Number	of Wells							
Monitoring Data Type	Walls Used		-	ions of is above MDLs ound levels	from background less than or equal No detections or other than nitrate MDLs or backgrand/or located in			Parameters are detected at concentrations exceeding the MCLs (11)	Number of Wells Removed from service	of Wells	Background parameters exceed MCLs (14)
			ND ⁽⁶⁾	Number of wells in sensitive or vulnerable areas (optional) (7)	Nitrate # 5 mg/l VOC, SOC, and Other parameters not detected (8)	concents e # 5 mg/l Number of wells in sensitive or vulnerable e # 5 mg/l Number of exceeding MDL but less than equal to					
Finished Water	1	VOC	1	1	1		0	0	0	0	0
Quality Data from Public Water Supply		SOC (15)	1	All state aquifers con-	1		0	0	0	0	0
Wells		NO ₂	1	sidered to be vulnerable.	0		0	0	0	0	0
		Other (16)	1		1		0	0	0	0	0

Major uses of the aquifer or hydrologic unit	_X_ Public water supply	_X_ Irrigation	Commercial	Mining	Baseflow Maintenance
	X Private water supply	Thermoelectric	Livestock	Industrial	
Uses affected by water quality problems	_X_ Public water supply	Irrigation	Commercial	Mining	Baseflow Maintenance
(optional) (8)	_X_ Private water supply	Thermoelectric	Livestock	Industrial	

Table 5-4.57 Aquifer Monitoring Data

Hydrogeologic Setting (1) Maui - 0301 Central Aquifer Sector, Kahului Aquifer System
Spatial Description (optional) (2) See Map: Hawaii Aquifer Sectors and Aquifer Systems
Map Available (optional) (3) Map available; Section 5-3
Data Reporting Period (4) January 1998 - January 2000

	T (IN C	ъ.	Number	of Wells							
Monitoring Data Type	Monitoring Data Type Total No. of Wells Used in the Assessment (5)	Parameter Groups	-	ions of es above MDLs ound levels	Nitrate concentration background less than or equal No detections or other than nitrate MDLs or backgrand/or located in are sensitive or version of the sensitive or version of the sensitive or version backgrand.	d levels to al to 5 mg/l parameters e above round levels a areas that	Nitrate ranges from greater than 5 to less than or equal to 10 mg/l Other parameters are detected at	Parameters are detected at concentrations exceeding the MCLs (11)	of Wells of Y Removed from Rec Specification	Number of Wells Requiring Special Treatment	Background parameters exceed MCLs (14)
			ND ⁽⁶⁾	Number of wells in sensitive or vulnerable areas (optional) (7)	Nitrate # 5 mg/l VOC, SOC, and Other parameters not detected (8)	Number of exceeding wells in sensitive or vulnerable concent exceeding MDL but less than equal to					
Finished Water	134	VOC	134	134	134		0	0	0	0	0
Quality Data from Public Water Supply		SOC (15)	134	All state aquifers con-	134		0	0	0	0	0
Wells		NO ₂	134	sidered to be vulnerable.	0		0	0	0	0	0
		Other (16)	134		134		1	0	0	0	0

Major uses of the aquifer or hydrologic unit	_X_ Public water supply	_X_ Irrigation	Commercial	Mining	Baseflow Maintenance
	X Private water supply	Thermoelectric	Livestock	Industrial	
Uses affected by water quality problems (optional) (8)	_X_ Public water supply	Irrigation	Commercial	Mining	Baseflow Maintenance
(optionar)	_X_ Private water supply	Thermoelectric	Livestock	Industrial	

Table 5-4.58 Aquifer Monitoring Data

Hydrogeologic Setting (1) Maui - 0302 Central Aquifer Sector, Paia Aquifer System

Spatial Description (optional) (2) See Map: Hawaii Aquifer Sectors and Aquifer Systems

Map Available (optional) (3) Map available; Section 5-3

Data Reporting Period (4) January 1998 - January 2000

	T (IN C	ъ.	Number	of Wells							
Monitoring Data Type Total No. of Wells Used in the Assessment (5)	Parameter Groups	_	ions of rs above MDLs ound levels	Nitrate concentration background less than or equal No detections or other than nitrate MDLs or backgrand/or located in are sensitive or version or sensitive or version backgrand.	d levels to al to 5 mg/l parameters e above round levels a areas that	Nitrate ranges from greater than 5 to less than or equal to 10 mg/l Other parameters are detected at	Parameters are detected at concentrations exceeding the MCLs (11)	Number of Wells Removed from service	Number of Wells Requiring Special Treatment	Background parameters exceed MCLs (14)	
			ND ⁽⁶⁾	Number of wells in sensitive or vulnerable areas (optional) (7)	Nitrate # 5 mg/l VOC, SOC, and Other parameters not detected (8)	Nitrate # 5 mg/l VOC, SOC, and Other vulnerable varameters not					
Finished Water	40	VOC	40	40	40		0	0	0	0	0
Quality Data from Public Water Supply		SOC (15)	40	All state aquifers con-	40		0	0	0	0	0
Wells		NO ₂	40	sidered to be vulnerable.	0		0	0	0	0	0
		Other (16)	40		40		0	0	0	0	0

Major uses of the aquifer or hydrologic unit	_X_ Public water supply	_X_ Irrigation	Commercial	Mining	Baseflow Maintenance
	X Private water supply	Thermoelectric	Livestock	Industrial	
Uses affected by water quality problems (optional) (8)	_X_ Public water supply _X_ Private water supply	IrrigationThermoelectric	Commercial	MiningIndustrial	Baseflow Maintenance

Table 5-4.59 Aquifer Monitoring Data

Hydrogeologic Setting ⁽¹⁾ <u>Maui - 0303 Central Aquifer Sector, Makawao Aquifer System</u>
Spatial Description (optional) ⁽²⁾ <u>See Map: Hawaii Aquifer Sectors and Aquifer Systems</u>
Map Available (optional) ⁽³⁾ <u>Map available; Section 5-3</u>

Data Reporting Period ⁽⁴⁾ <u>January 1998 - January 2000</u>

	T (IN C	Parameter Groups	Number	of Wells							
Data Type Wel	Total No. of Wells Used in the Assessment		No detections of parameters above MDLs or background levels		Nitrate concentration background less than or equal No detections or other than nitrate MDLs or backgrand/or located in are sensitive or version or sensitive or version backgrand.	d levels to al to 5 mg/l parameters e above cound levels a areas that	Nitrate ranges from greater than 5 to less than or equal to 10 mg/l Other parameters are detected at	Parameters are detected at concentrations exceeding the MCLs (11)	Number of Wells Removed from service	Number of Wells Requiring Special Treatment	Background parameters exceed MCLs (14)
			ND ⁽⁶⁾	Number of wells in sensitive or vulnerable areas (optional) (7)	Nitrate # 5 mg/l VOC, SOC, and Other parameters not detected (8)	Number of wells in sensitive or vulnerable areas (optional)	concentrations exceeding the MDL but are less than or equal to the MCLs (10)				
Finished Water	3	VOC	3	3	3		0	0	0	0	0
Quality Data from Public Water Supply		SOC (15)	3	All state aquifers con-	3		0	0	0	0	0
Wells	NO ₂	3	sidered to be vulnerable.	0		0	0	0	0	0	
		Other (16)	3		3		0	0	0	0	0

Major uses of the aquifer or hydrologic unit	_X_ Public water supply	_X_ Irrigation	Commercial	Mining	Baseflow Maintenance
	X Private water supply	Thermoelectric	Livestock	Industrial	
Uses affected by water quality problems (optional) (8)	_X_ Public water supply _X_ Private water supply	Irrigation Thermoelectric	Commercial	Mining Industrial	Baseflow Maintenance

Table 5-4.60 Aquifer Monitoring Data

Hydrogeologic Setting (1) Maui - 0304 Central Aquifer Sector, Kamaloe Aquifer System

Spatial Description (optional) (2) See Map: Hawaii Aquifer Sectors and Aquifer Systems

Map Available (optional) (3) Map available; Section 5-3

Data Reporting Period (4) January 1998 - January 2000

	Total No. of	ъ.	Number	of Wells							
Data Type	Wells Used in the Assessment	Used Groups	No detections of parameters above MDLs or background levels		Nitrate concentration background less than or equal No detections or other than nitrate MDLs or backgrand/or located in are sensitive or version of the sensitive or version backgrand.	d levels to al to 5 mg/l parameters e above cound levels a areas that	from greater than 5 to less than or equal to 10 mg/l Other parameters are detected at concentrations exceeding the MCLs (11) Other parameters are detected at		Number of Wells Removed from service	of Wells Removed Requiring From Special	Background parameters exceed MCLs (14)
			ND ⁽⁶⁾	Number of wells in sensitive or vulnerable areas (optional) (7)	Nitrate # 5 mg/l VOC, SOC, and Other parameters not detected (8)	Number of wells in sensitive or vulnerable areas (optional)	concentrations exceeding the MDL but are less than or equal to the MCLs (10)				
Finished Water	101	VOC	101	101	101		0	0	0	0	0
Quality Data from Public		SOC (15)	101	All state aquifers con-	101		0	0	0	0	0
Water Supply Wells	NO ₂	101	sidered to be vulnerable.	0		0	0	0	0	0	
		Other (16)	101		101		0	0	0	0	0

Major uses of the aquifer or hydrologic unit	_X_ Public water supply	_X_ Irrigation	Commercial	Mining	Baseflow Maintenance
	X Private water supply	Thermoelectric	Livestock	Industrial	
Uses affected by water quality problems (optional) (8)	_X_ Public water supply	Irrigation	Commercial	Mining	Baseflow Maintenance
(optional)	_X_ Private water supply	Thermoelectric	Livestock	Industrial	

Table 5-4.61 Aquifer Monitoring Data

Hydrogeologic Setting (1) Maui - 0401 Koolau Aquifer Sector, Haiku Aquifer System

Spatial Description (optional) (2) See Map: Hawaii Aquifer Sectors and Aquifer Systems

Map Available (optional) (3) Map available; Section 5-3

Data Reporting Period (4) January 1998 - January 2000

	T (IN C	Groups	Number	of Wells							
Data Type	Wells Used in the Assessment (5)		No detections of parameters above MDLs or background levels		Nitrate concentration background less than or equal No detections or other than nitrate MDLs or backgrand/or located in are sensitive or version of the sensitive or version of the sensitive or version backgrand.	d levels to al to 5 mg/l parameters e above round levels a areas that	Nitrate ranges from greater than 5 to less than or equal to 10 mg/l Other parameters are detected at	Parameters are detected at concentrations exceeding the MCLs (11)	Number of Wells Removed from service	ls of Wells parameter Requiring excerns Special MCI	
			ND ⁽⁶⁾	Number of wells in sensitive or vulnerable areas (optional) (7)	Nitrate # 5 mg/l VOC, SOC, and Other parameters not detected (8)	Number of wells in sensitive or vulnerable areas (optional)	concentrations exceeding the MDL but are less than or equal to the MCLs (10)				
Finished Water	17	VOC	17	17	17		0	0	0	0	0
Quality Data from Public		SOC (15)	17	All state aquifers con-	17		0	0	0	0	0
Water Supply Wells	NO_2	17	sidered to be vulnerable.	0		0	0	0	0	0	
		Other (16)	17		17		0	0	0	0	0

Major uses of the aquifer or hydrologic unit	_X_ Public water supply	_X_ Irrigation	Commercial	Mining	Baseflow Maintenance
	X Private water supply	Thermoelectric	Livestock	Industrial	
Uses affected by water quality problems (optional) (8)	_X_ Public water supply	Irrigation	Commercial	Mining	Baseflow Maintenance
(optionar)	_X_ Private water supply	Thermoelectric	Livestock	Industrial	

Table 5-4.62 Aquifer Monitoring Data

Hydrogeologic Setting (1) Maui - 0402 Koolau Aquifer Sector, Honopou Aquifer System Spatial Description (optional) (2) See Map: Hawaii Aquifer Sectors and Aquifer Systems Map Available (optional) (3) Map available; Section 5-3 Data Reporting Period (4)

<u>January 1998 - January 2000</u>

	Total No. of	d Groups	Number	of Wells							
Data Type	Wells Used in the Assessment (5)		No detections of parameters above MDLs or background levels		Nitrate concentration background less than or equal No detections or other than nitrate MDLs or backgrand/or located in are sensitive or version of the sensitive or version of the sensitive or version backgrand.	d levels to al to 5 mg/l parameters e above round levels a areas that	Nitrate ranges from greater than 5 to less than or equal to 10 mg/l Other parameters are detected at	greater detected at concentrations or equal exceeding the meters are eted at		Number of Wells Requiring Special Treatment	Background parameters exceed MCLs (14)
			ND ⁽⁶⁾	Number of wells in sensitive or vulnerable areas (optional) (7)	Nitrate # 5 mg/l VOC, SOC, and Other parameters not detected (8)	Number of wells in sensitive or vulnerable areas (optional)	concentrations exceeding the MDL but are less than or equal to the MCLs (10)				
Finished Water	5	VOC	5	5	5		0	0	0	0	0
Quality Data from Public Water Supply		SOC (15)	5	All state aquifers con-	5		0	0	0	0	0
Wells		NO_2	5	sidered to be vulnerable.	0		0	0	0	0	0
		Other (16)	5		5		0	0	0	0	0

Major uses of the aquifer or hydrologic unit	_X_ Public water supply	_X_ Irrigation	Commercial	Mining	Baseflow Maintenance
	X Private water supply	Thermoelectric	Livestock	Industrial	
Uses affected by water quality problems	_X_ Public water supply	Irrigation	Commercial	Mining	Baseflow Maintenance
(optional) (8)	_X_ Private water supply	Thermoelectric	Livestock	Industrial	

Table 5-4.63 Aquifer Monitoring Data

Hydrogeologic Setting (1) Maui - 0403 Koolau Aquifer Sector, Waikamoi Aquifer System
Spatial Description (optional) (2) See Map: Hawaii Aquifer Sectors and Aquifer Systems
Map Available (optional) (3) Map available; Section 5-3
Data Reporting Period (4) January 1998 - January 2000

	T . 131 . C		Number	of Wells							
Data Type Wells in the	Total No. of Wells Used in the Assessment	Parameter Groups	No detections of parameters above MDLs or background levels		Nitrate concentration background less than or equal No detections or other than nitrate MDLs or backgrand/or located in are sensitive or version or sensitive or version backgrand.	d levels to al to 5 mg/l parameters e above round levels a areas that	from greater than 5 to less than or equal to 10 mg/l Other parameters are detected at concentrations exceeding the parameters are detected at		Number of Wells Requiring Special Treatment	Background parameters exceed MCLs (14)	
			ND ⁽⁶⁾	Number of wells in sensitive or vulnerable areas (optional) (7)	Nitrate # 5 mg/l VOC, SOC, and Other parameters not detected (8)	Number of wells in sensitive or vulnerable areas (optional)	concentrations exceeding the MDL but are less than or equal to the MCLs (10)				
Finished Water	1	VOC	1	1	1		0	0	0	0	0
Quality Data from Public Water Supply		SOC (15)	1	All state aquifers con-	1		0	0	0	0	0
Wells		NO_2	1	sidered to be vulnerable.	0		0	0	0	0	0
		Other (16)	1		1		0	0	0	0	0

Major uses of the aquifer or hydrologic unit	_X_ Public water supply	_X_ Irrigation	Commercial	Mining	Baseflow Maintenance
	X Private water supply	Thermoelectric	Livestock	Industrial	
Uses affected by water quality problems	_X_ Public water supply	Irrigation	Commercial	Mining	Baseflow Maintenance
(optional) (8)	_X_ Private water supply	Thermoelectric	Livestock	Industrial	

Table 5-4.64 Aquifer Monitoring Data

Hydrogeologic Setting (1) Maui - 0404 Koolau Aquifer Sector, Keanae Aquifer System

Spatial Description (optional) (2) See Map: Hawaii Aquifer Sectors and Aquifer Systems

Map Available (optional) (3) Map available; Section 5-3

Data Reporting Period (4) January 1998 - January 2000

	T (IN C	ъ.	Number	of Wells							
Data Type Wells in the	Total No. of Wells Used in the Assessment	Parameter Groups	No detections of parameters above MDLs or background levels		Nitrate concentration background less than or equal No detections or other than nitrate MDLs or backgrand/or located in are sensitive or version of the sensitive or version of the sensitive or version backgrand.	d levels to al to 5 mg/l parameters e above round levels a areas that	Nitrate ranges from greater than 5 to less than or equal to 10 mg/l Other parameters are detected at	Parameters are detected at concentrations exceeding the MCLs (11)	Number of Wells Removed from service	Number of Wells Requiring Special Treatment	Background parameters exceed MCLs (14)
			ND ⁽⁶⁾	Number of wells in sensitive or vulnerable areas (optional) (7)	Nitrate # 5 mg/l VOC, SOC, and Other parameters not detected (8)	Number of wells in sensitive or vulnerable areas (optional)	concentrations exceeding the MDL but are less than or equal to the MCLs (10)				
Finished Water	112	VOC	112	112	112		0	0	0	0	0
Quality Data from Public Water Supply		SOC (15)	112	All state aquifers con-	112		0	0	0	0	0
Wells		NO_2	112	sidered to be vulnerable.	0		0	0	0	0	0
		Other (16)	112		112		0	0	0	0	0

Major uses of the aquifer or hydrologic unit	_X_ Public water supply	_X_ Irrigation	Commercial	Mining	Baseflow Maintenance
	X Private water supply	Thermoelectric	Livestock	Industrial	
Uses affected by water quality problems (optional) (8)	_X_ Public water supply	Irrigation	Commercial	Mining	Baseflow Maintenance
(optionar)	_X_ Private water supply	Thermoelectric	Livestock	Industrial	

Table 5-4.65 Aquifer Monitoring Data

Hydrogeologic Setting (1) Maui - 0501 Hana Aquifer Sector, Kuhiwa Aquifer System

Spatial Description (optional) (2) See Map: Hawaii Aquifer Sectors and Aquifer Systems

Map Available (optional) (3) Map available; Section 5-3

Data Reporting Period (4) January 1998 - January 2000

	T (IN C	ъ.	Number	of Wells							
Monitoring Data Type Total No. or Wells Used in the Assessment	Wells Used	_		ons of above MDLs und levels Nitrate concentra from background less than or equal No detections or other than nitrate MDLs or backgr and/or located in are sensitive or v		d levels to al to 5 mg/l parameters e above cound levels a areas that	Nitrate ranges from greater than 5 to less than or equal to 10 mg/l Other parameters are detected at	Parameters are detected at concentrations exceeding the MCLs (11)	ected at of Wells of Wells parameter centrations Removed Requiring exce		Background parameters exceed MCLs (14)
			ND ⁽⁶⁾	Number of wells in sensitive or vulnerable areas (optional) (7)	Nitrate # 5 mg/l VOC, SOC, and Other parameters not detected (8)	Number of wells in sensitive or vulnerable areas (optional)	concentrations exceeding the MDL but are less than or equal to the MCLs (10)				
Finished Water	11	VOC	11	11	11		0	0	0	0	0
Quality Data from Public Water Supply		SOC (15)	11	All state aquifers con-	11		0	0	0	0	0
Wells		NO ₂	11	sidered to be vulnerable.	0		0	0	0	0	0
		Other (16)	11		11		0	0	0	0	0

Major uses of the aquifer or hydrologic unit	_X_ Public water supply	_X_ Irrigation	Commercial	Mining	Baseflow Maintenance
	X Private water supply	Thermoelectric	Livestock	Industrial	
Uses affected by water quality problems (optional) (8)	_X_ Public water supply _X_ Private water supply	Irrigation Thermoelectric	Commercial	Mining Industrial	Baseflow Maintenance

Table 5-4.66 Aquifer Monitoring Data

Hydrogeologic Setting ⁽¹⁾ Maui - 0502 Hana Aquifer Sector, Kawaipapa Aquifer System
Spatial Description (optional) ⁽²⁾ See Map: Hawaii Aquifer Sectors and Aquifer Systems
Map Available (optional) ⁽³⁾ Map available; Section 5-3
Data Reporting Period ⁽⁴⁾ January 1998 - January 2000

	T (IN C	Б	Number	of Wells							
Monitoring Data Type Total No. of Wells Used in the Assessment (5)	Groups			Nitrate concentration background less than or equal No detections or other than nitrate MDLs or backgrand/or located in are sensitive or version or sensitive or version backgrand.	d levels to al to 5 mg/l parameters e above round levels a areas that	Nitrate ranges from greater than 5 to less than or equal to 10 mg/l Other parameters are detected at	Parameters are detected at concentrations exceeding the MCLs (11)	Number of Wells Removed from service	Number of Wells Requiring Special Treatment	Background parameters exceed MCLs (14)	
		ND (6) Number of wells in sensitive or vulnerable areas VOC, SOC, and Other parameters not areas		Number of wells in sensitive or vulnerable areas (optional)	concentrations exceeding the MDL but are less than or equal to the MCLs (10)						
Finished Water	10	VOC	10	10	10		0	0	0	0	0
Quality Data from Public Water Supply		SOC (15)	10	All state aquifers con-	10		0	0	0	0	0
Wells		NO ₂	10	sidered to be vulnerable.	0		0	0	0	0	0
		Other (16)	10		10		0	0	0	0	0

Major uses of the aquifer or hydrologic unit	_X_ Public water supply	_X_ Irrigation	Commercial	Mining	Baseflow Maintenance
	X Private water supply	Thermoelectric	Livestock	Industrial	
Uses affected by water quality problems (optional) (8)	_X_ Public water supply _X_ Private water supply	Irrigation Thermoelectric	Commercial	Mining Industrial	Baseflow Maintenance

Table 5-4.67 Aquifer Monitoring Data

Hydrogeologic Setting (1) Maui - 0503 Hana Aquifer Sector, Waihoi Aquifer System

Spatial Description (optional) (2) See Map: Hawaii Aquifer Sectors and Aquifer Systems

Map Available (optional) (3) Map available; Section 5-3

Data Reporting Period (4) January 1998 - January 2000

	T (IN C	ъ.	Number	of Wells							
Data Type Wells Used in the		Parameter Groups No detection parameters or backgrou		s above MDLs	Nitrate concentrations range from background levels to less than or equal to 5 mg/l No detections or parameters other than nitrate above MDLs or background levels and/or located in areas that are sensitive or vulnerable		Nitrate ranges from greater than 5 to less than or equal to 10 mg/l Other parameters are detected at	Parameters are detected at concentrations exceeding the MCLs (11)	Number of Wells Removed from service	Number of Wells Requiring Special Treatment	Background parameters exceed MCLs (14)
			ND ⁽⁶⁾	Number of wells in sensitive or vulnerable areas (optional) (7)	Nitrate # 5 mg/l VOC, SOC, and Other parameters not detected (8)	Number of wells in sensitive or vulnerable areas (optional)	concentrations exceeding the MDL but are less than or equal to the MCLs (10)				
Finished Water	0	VOC	0	0	0		0	0	0	0	0
Quality Data from Public Water Supply		SOC (15)	0	All state aquifers con-	0		0	0	0	0	0
Wells		NO ₂	0	sidered to be vulnerable.	0		0	0	0	0	0
		Other (16)	0		0		0	0	0	0	0

Major uses of the aquifer or hydrologic unit	_X_ Public water supply	_X_ Irrigation	Commercial	Mining	Baseflow Maintenance
	X Private water supply	Thermoelectric	Livestock	Industrial	
Uses affected by water quality problems (optional) (8)	_X_ Public water supply _X_ Private water supply	Irrigation Thermoelectric	Commercial	Mining Industrial	Baseflow Maintenance

Table 5-4.68 Aquifer Monitoring Data

Hydrogeologic Setting ⁽¹⁾ Maui - 0504 Hana Aquifer Sector, Kipahulu Aquifer System
Spatial Description (optional) ⁽²⁾ See Map: Hawaii Aquifer Sectors and Aquifer Systems
Map Available (optional) ⁽³⁾ Map available; Section 5-3
Data Reporting Period ⁽⁴⁾ January 1998 - January 2000

	T (IN C	ъ.	Number	of Wells							
Data Type Wells Used in the	Total No. of Wells Used in the Assessment	Groups	No detections of parameters above MDLs or background levels No detect other than MDLs or and/or loc		Nitrate concentration background less than or equal No detections or other than nitrate MDLs or backgrand/or located in are sensitive or version or sensitive or version backgrand.	d levels to al to 5 mg/l parameters e above cound levels a areas that	Nitrate ranges from greater than 5 to less than or equal to 10 mg/l Other parameters are detected at	detected at concentrations exceeding the of Well Remove from	Number of Wells Removed from service	of Wells	Background parameters exceed MCLs (14)
			ND ⁽⁶⁾	Number of wells in sensitive or vulnerable areas (optional) (7)	Nitrate # 5 mg/l VOC, SOC, and Other parameters not detected (8)	Number of wells in sensitive or vulnerable areas (optional)	concentrations exceeding the MDL but are less than or equal to the MCLs (10)				
Finished Water	9	VOC	9	9	9		0	0	0	0	0
Quality Data from Public Water Supply		SOC (15)	9	All state aquifers con-	9		0	0	0	0	0
Wells		NO ₂	9	sidered to be vulnerable.	0		0	0	0	0	0
		Other (16)	9		9		0	0	0	0	0

Major uses of the aquifer or hydrologic unit	_X_ Public water supply	_X_ Irrigation	Commercial	Mining	Baseflow Maintenance
	X Private water supply	Thermoelectric	Livestock	Industrial	
Uses affected by water quality problems (optional) (8)	_X_ Public water supply _X_ Private water supply	Irrigation Thermoelectric	Commercial	Mining Industrial	Baseflow Maintenance

Table 5-4.69 Aquifer Monitoring Data

Hydrogeologic Setting ⁽¹⁾ Maui - 0601 Kahikinui Aquifer Sector, Kaupo Aquifer System
Spatial Description (optional) ⁽²⁾ See Map: Hawaii Aquifer Sectors and Aquifer Systems
Map Available (optional) ⁽³⁾ Map available; Section 5-3
Data Reporting Period ⁽⁴⁾ January 1998 - January 2000

	T . 131 . C		Number	of Wells							
Monitoring Data Type Total No. of Wells Used in the Assessment	Wells Used	-		ions of is above MDLs ound levels	Nitrate concentrations range from background levels to less than or equal to 5 mg/l No detections or parameters other than nitrate above MDLs or background levels and/or located in areas that are sensitive or vulnerable		Nitrate ranges from greater than 5 to less than or equal to 10 mg/l Other parameters are detected at	Parameters are detected at concentrations exceeding the MCLs (11)	letected at of Wells of Wells oncentrations exceeding the from Special	Number of Wells Requiring Special Treatment	g exceed MCLs (14)
			ND ⁽⁶⁾	Number of wells in sensitive or vulnerable areas (optional) (7)	Nitrate # 5 mg/l VOC, SOC, and Other parameters not detected (8)	Number of wells in sensitive or vulnerable areas (optional)	concentrations exceeding the MDL but are less than or equal to the MCLs (10)				
Finished Water	1	VOC	1	1	1		0	0	0	0	0
Quality Data from Public Water Supply		SOC (15)	1	All state aquifers con-	1		0	0	0	0	0
Wells		NO ₂	1	sidered to be vulnerable.	0		0	0	0	0	0
		Other (16)	1		1		0	0	0	0	0

Major uses of the aquifer or hydrologic unit	_X_ Public water supply	_X_ Irrigation	Commercial	Mining	Baseflow Maintenance
	X Private water supply	Thermoelectric	Livestock	Industrial	
Uses affected by water quality problems (optional) (8)	_X_ Public water supply _X_ Private water supply	Irrigation Thermoelectric	Commercial	Mining Industrial	Baseflow Maintenance

Table 5-4.70 Aquifer Monitoring Data

Hydrogeologic Setting ⁽¹⁾ Maui - 0602 Kahikinui Aquifer Sector, Nakuula Aquifer System
Spatial Description (optional) ⁽²⁾ See Map: Hawaii Aquifer Sectors and Aquifer Systems
Map Available (optional) ⁽³⁾ Map available; Section 5-3
Data Reporting Period ⁽⁴⁾ January 1998 - January 2000

	T (IN C	ъ .	Number	of Wells							
Data Type Wells Used in the	Total No. of Wells Used in the Assessment	Parameter Groups	No detections of parameters above MDLs or background levels		Nitrate concentration background less than or equal No detections or other than nitrate MDLs or backgrand/or located in are sensitive or visit of the sensitive or visit of the sensitive or visit of the sensitive or visit or visi	d levels to al to 5 mg/l parameters e above cound levels a areas that	Nitrate ranges from greater than 5 to less than or equal to 10 mg/l Other parameters are detected at	Parameters are detected at concentrations exceeding the MCLs (11)	Number of Wells Removed from service	Number of Wells Requiring Special Treatment	Background parameters exceed MCLs (14)
			ND ⁽⁶⁾	Number of wells in sensitive or vulnerable areas (optional) (7)	Nitrate # 5 mg/l VOC, SOC, and Other parameters not detected (8)	Number of wells in sensitive or vulnerable areas (optional)	concentrations exceeding the MDL but are less than or equal to the MCLs (10)				
Finished Water	2	VOC	2	2	2		0	0	0	0	0
Quality Data from Public Water Supply		SOC (15)	2	All state aquifers con-	2		0	0	0	0	0
Wells		NO ₂	2	sidered to be vulnerable.	0		0	0	0	0	0
		Other (16)	2		2		0	0	0	0	0

Major uses of the aquifer or hydrologic unit	_X_ Public water supply	_X_ Irrigation	Commercial	Mining	Baseflow Maintenance
	X Private water supply	Thermoelectric	Livestock	Industrial	
Uses affected by water quality problems (optional) (8)	_X_ Public water supply _X_ Private water supply	Irrigation Thermoelectric	Commercial	Mining Industrial	Baseflow Maintenance

Table 5-4.71 Aquifer Monitoring Data

Hydrogeologic Setting (1) Maui - 0603 Kahikinui Aquifer Sector, Lualailua Aquifer System

Spatial Description (optional) (2) See Map: Hawaii Aquifer Sectors and Aquifer Systems

Map Available (optional) (3) Map available: Section 5, 3

	Total No. of	ъ.	Number	of Wells							
Data Type	Wells Used in the Assessment (5)	Parameter Groups	parameter	rameters above MDLs background levels from backgless than o No detection other than MDLs or be		parameters e above round levels a areas that	Nitrate ranges from greater than 5 to less than or equal to 10 mg/l Other parameters are detected at	Parameters are detected at concentrations exceeding the MCLs (11)	of Wells of Wells param ions Removed Requiring excee		Background parameters exceed MCLs (14)
			ND ⁽⁶⁾	Number of wells in sensitive or vulnerable areas (optional) (7)	Nitrate # 5 mg/l VOC, SOC, and Other parameters not detected (8)	Number of wells in sensitive or vulnerable areas (optional)	concentrations exceeding the MDL but are less than or equal to the MCLs (10)				
Finished Water	2	VOC	2	2	2		0	0	0	0	0
Quality Data from Public Water Supply		SOC (15)	2	All state aquifers con-	2		0	0	0	0	0
Wells	NO_2	2	sidered to be vulnerable.	0		0	0	0	0	0	
		Other (16)	2		2		0	0	0	0	0

Major uses of the aquifer or hydrologic unit	_X_ Public water supply	_X_ Irrigation	Commercial	Mining	Baseflow Maintenance
	X Private water supply	Thermoelectric	Livestock	Industrial	
Uses affected by water quality problems (optional) (8)	_X_ Public water supply _X_ Private water supply	Irrigation Thermoelectric	Commercial	Mining Industrial	Baseflow Maintenance

Table 5-4.72 Aquifer Monitoring Data

Hydrogeologic Setting (1) Molokai - 0101 West Aquifer Sector, Kaluakoi Aquifer System

Spatial Description (optional) (2) See Map: Hawaii Aquifer Sectors and Aquifer Systems

Map Available (optional) (3) Map available; Section 5-3

Data Reporting Period (4) January 1998 - January 2000

	T (IN C	ъ.	Number	of Wells							
Data Type Wells in the	Total No. of Wells Used in the Assessment	Parameter Groups	No detections of parameters above MDLs or background levels		Nitrate concentration background less than or equal No detections or other than nitrate MDLs or backgrand/or located in are sensitive or version or sensitive or version backgrand.	d levels to al to 5 mg/l parameters e above cound levels a areas that	from greater than 5 to less than or equal to 10 mg/l Other parameters are detected at concentrations exceeding the parameters are detected at		Number of Wells Requiring Special Treatment	MCLs (14)	
			ND ⁽⁶⁾	Number of wells in sensitive or vulnerable areas (optional) (7)	Nitrate # 5 mg/l VOC, SOC, and Other parameters not detected (8)	Number of wells in sensitive or vulnerable areas (optional)	concentrations exceeding the MDL but are less than or equal to the MCLs (10)				
Finished Water	6	VOC	6	6	6		0	0	0	0	0
Quality Data from Public Water Supply		SOC (15)	6	All state aquifers con-	6		0	0	0	0	0
Wells		NO ₂	6	sidered to be vulnerable.	0		0	0	0	0	0
		Other (16)	6		6		0	0	0	0	0

Major uses of the aquifer or hydrologic unit	_X_ Public water supply	_X_ Irrigation	Commercial	Mining	Baseflow Maintenance
	X Private water supply	Thermoelectric	Livestock	Industrial	
Uses affected by water quality problems (optional) (8)	_X_ Public water supply _X_ Private water supply	Irrigation Thermoelectric	Commercial	Mining Industrial	Baseflow Maintenance

Table 5-4.73 Aquifer Monitoring Data

Hydrogeologic Setting (1) Molokai - 0102 West Aquifer Sector, Punakou Aquifer System
Spatial Description (optional) (2) See Map: Hawaii Aquifer Sectors and Aquifer Systems
Map Available (optional) (3) Map available; Section 5-3
Data Reporting Period (4) January 1998 - January 2000

	Total No. of	ъ.	Number	of Wells							
Data Type i	Wells Used in the Assessment (5)	Parameter Groups		ions of is above MDLs ound levels	Nitrate concentration background less than or equal No detections or other than nitrate MDLs or backgrand/or located in are sensitive or version of the sensitive or version of the sensitive or version backgrand.	d levels to al to 5 mg/l parameters e above round levels a areas that	Nitrate ranges from greater than 5 to less than or equal to 10 mg/l Other parameters are detected at	Parameters are detected at concentrations exceeding the MCLs (11) Number of Wells Removed from service (12)	of Wells Removed from	Number of Wells Requiring Special Treatment	Background parameters exceed MCLs (14)
			ND ⁽⁶⁾	Number of wells in sensitive or vulnerable areas (optional) (7)	Nitrate # 5 mg/l VOC, SOC, and Other parameters not detected (8)	Number of wells in sensitive or vulnerable areas (optional)	concentrations exceeding the MDL but are less than or equal to the MCLs (10)				
Finished Water	5	VOC	5	5	5		0	0	0	0	0
Quality Data from Public Water Supply		SOC (15)	5	All state aquifers con-	5		0	0	0	0	0
Wells		NO_2	5	sidered to be vulnerable.	0		0	0	0	0	0
		Other (16)	5		5		0	0	0	0	0

Major uses of the aquifer or hydrologic unit	_X_ Public water supply	_X_ Irrigation	Commercial	Mining	Baseflow Maintenance
	X Private water supply	Thermoelectric	Livestock	Industrial	
Uses affected by water quality problems (optional) (8)	_X_ Public water supply	Irrigation	Commercial	Mining	Baseflow Maintenance
(optionar)	_X_ Private water supply	Thermoelectric	Livestock	Industrial	

Table 5-4.74 Aquifer Monitoring Data

Hydrogeologic Setting ⁽¹⁾ <u>Molokai - 0201 Central Aquifer Sector, Hoolehua Aquifer System</u> Spatial Description (optional) ⁽²⁾ <u>See Map: Hawaii Aquifer Sectors and Aquifer Systems</u>

	T . 131 . C		Number	of Wells							
Data Type Wells in the	Total No. of Wells Used in the Assessment	Parameter Groups	-	ions of is above MDLs ound levels	Nitrate concentration background less than or equal No detections or other than nitrate MDLs or backgrand/or located in are sensitive or version or sensitive or version backgrand.	d levels to al to 5 mg/l parameters e above round levels a areas that	Nitrate ranges from greater than 5 to less than or equal to 10 mg/l Other parameters are detected at	Parameters are detected at concentrations exceeding the MCLs (11)	Number of Wells Removed from service	Number of Wells Requiring Special Treatment	Background parameters exceed MCLs (14)
			ND ⁽⁶⁾	Number of wells in sensitive or vulnerable areas (optional) (7)	Nitrate # 5 mg/l VOC, SOC, and Other parameters not detected (8)	Number of wells in sensitive or vulnerable areas (optional)	concentrations exceeding the MDL but are less than or equal to the MCLs (10)				
Finished Water	1	VOC	1	1	1		0	0	0	0	0
Quality Data from Public Water Supply		SOC (15)	1	All state aquifers con-	1		0	0	0	0	0
Wells		NO ₂	1	sidered to be vulnerable.	0		0	0	0	0	0
		Other (16)	1		1		0	0	0	0	0

Major uses of the aquifer or hydrologic unit	_X_ Public water supply	_X_ Irrigation	Commercial	Mining	Baseflow Maintenance
	X Private water supply	Thermoelectric	Livestock	Industrial	
Uses affected by water quality problems (optional) (8)	_X_ Public water supply _X_ Private water supply	Irrigation Thermoelectric	Commercial	Mining Industrial	Baseflow Maintenance

Table 5-4.75 Aquifer Monitoring Data

Hydrogeologic Setting ⁽¹⁾ <u>Molokai - 0202 Central Aquifer Sector, Manawainui Aquifer System</u> Spatial Description (optional) ⁽²⁾ <u>See Map: Hawaii Aquifer Sectors and Aquifer Systems</u>

	Total No. of		Number	of Wells							
Data Type v	Wells Used in the Assessment (5)	Parameter Groups		ions of s above MDLs ound levels	Nitrate concentrations range from background levels to less than or equal to 5 mg/l No detections or parameters other than nitrate above MDLs or background levels and/or located in areas that are sensitive or vulnerable		Nitrate ranges from greater than 5 to less than or equal to 10 mg/l Other parameters are detected at	Parameters are detected at concentrations exceeding the MCLs (11)	Number of Wells Removed from service	Number of Wells Requiring Special Treatment	Background parameters exceed MCLs (14)
			ND ⁽⁶⁾	Number of wells in sensitive or vulnerable areas (optional) (7)	Nitrate # 5 mg/l VOC, SOC, and Other parameters not detected (8)	Number of wells in sensitive or vulnerable areas (optional)	concentrations exceeding the MDL but are less than or equal to the MCLs (10)				
Finished Water	29	VOC	29	29	29		0	0	0	0	0
Quality Data from Public Water Supply		SOC (15)	29	All state aquifers con-	29		0	0	0	0	0
Wells	NO_2	29	sidered to be vulnerable.	0		0	0	0	0	0	
		Other (16)	29		29		0	0	0	0	0

Major uses of the aquifer or hydrologic unit	_X_ Public water supply	_X_ Irrigation	Commercial	Mining	Baseflow Maintenance
	X Private water supply	Thermoelectric	Livestock	Industrial	
Uses affected by water quality problems (optional) (8)	_X_ Public water supply	Irrigation	Commercial	Mining	Baseflow Maintenance
(optionar)	_X_ Private water supply	Thermoelectric	Livestock	Industrial	

Table 5-4.76 Aquifer Monitoring Data

Hydrogeologic Setting ⁽¹⁾ <u>Molokai - 0203 Central Aquifer Sector, Kualapuu Aquifer System</u> Spatial Description (optional) ⁽²⁾ <u>See Map: Hawaii Aquifer Sectors and Aquifer Systems</u>

	T (IN C	ъ.	Number	of Wells							
Data Type Wells U	Total No. of Wells Used in the Assessment	Parameter Groups	-	ions of is above MDLs ound levels	Nitrate concentration background less than or equal No detections or other than nitrate MDLs or backgrand/or located in are sensitive or version or sensitive or version backgrand.	d levels to al to 5 mg/l parameters e above round levels a areas that	Nitrate ranges from greater than 5 to less than or equal to 10 mg/l Other parameters are detected at concentrations exceeding the MCLs (11)		Number of Wells Removed from service	Number of Wells Requiring Special Treatment	Background parameters exceed MCLs (14)
			ND ⁽⁶⁾	Number of wells in sensitive or vulnerable areas (optional) (7)	Nitrate # 5 mg/l VOC, SOC, and Other parameters not detected (8)	Number of wells in sensitive or vulnerable areas (optional)	concentrations exceeding the MDL but are less than or equal to the MCLs (10)				
Finished Water	13	VOC	13	13	13		0	0	0	0	0
Quality Data from Public Water Supply		SOC (15)	13	All state aquifers con-	13		0	0	0	0	0
Wells		NO ₂	13	sidered to be vulnerable.	0		0	0	0	0	0
		Other (16)	13		13		0	0	0	0	0

Major uses of the aquifer or hydrologic unit	_X_ Public water supply	_X_ Irrigation	Commercial	Mining	Baseflow Maintenance
	X Private water supply	Thermoelectric	Livestock	Industrial	
Uses affected by water quality problems (optional) (8)	_X_ Public water supply	Irrigation	Commercial	Mining	Baseflow Maintenance
(optionar)	_X_ Private water supply	Thermoelectric	Livestock	Industrial	

Table 5-4.77 Aquifer Monitoring Data

Hydrogeologic Setting (1) Molokai - 0301 Southeast Aquifer Sector, Kamiloloa Aquifer System Spatial Description (optional) (2) See Map: Hawaii Aquifer Sectors and Aquifer Systems

	Total No. of	ed Groups	Number	of Wells							
Data Type V	Wells Used in the Assessment		parameters above MDLs or background levels		Nitrate concentration background less than or equal No detections or other than nitrate MDLs or backgrand/or located in are sensitive or variations.	d levels to al to 5 mg/l parameters e above cound levels a areas that	Nitrate ranges from greater than 5 to less than or equal to 10 mg/l Other parameters are detected at	from greater than 5 to less than or equal to 10 mg/l Other parameters are detected at concentrations exceeding the parameters are detected at		Number of Wells Requiring Special Treatment	Background parameters exceed MCLs (14)
			ND ⁽⁶⁾	Number of wells in sensitive or vulnerable areas (optional) (7)	Nitrate # 5 mg/l VOC, SOC, and Other parameters not detected (8)	Number of wells in sensitive or vulnerable areas (optional)	concentrations exceeding the MDL but are less than or equal to the MCLs (10)				
Finished Water	24	VOC	24	24	24		0	0	0	0	0
Quality Data from Public		SOC (15)	24	All state aquifers con-	24		0	0	0	0	0
Water Supply Wells		NO_2	24	sidered to be vulnerable.	0		0	0	0	0	0
		Other (16)	24		24		0	0	0	0	0

Major uses of the aquifer or hydrologic unit	_X_ Public water supply	_X_ Irrigation	_X_ Commercial	Mining	Baseflow Maintenance
	X Private water supply	Thermoelectric	Livestock	_X_ Industrial	
Uses affected by water quality problems (optional) (8)	_X_ Public water supply	Irrigation	Commercial	Mining	Baseflow Maintenance
(optional)	_X_ Private water supply	Thermoelectric	Livestock	Industrial	

Table 5-4.78 Aquifer Monitoring Data

Hydrogeologic Setting ⁽¹⁾ <u>Molokai - 0302 Southeast Aquifer Sector, Kawela Aquifer System</u> Spatial Description (optional) ⁽²⁾ <u>See Map: Hawaii Aquifer Sectors and Aquifer Systems</u>

	Total No. of	ъ.	Number	of Wells							
Monitoring Data Type	Wells Used in the Assessment (5)	Parameter Groups		ions of is above MDLs ound levels	MDLs from background levels to less than or equal to 5 mg/l No detections or parameters other than nitrate above MDLs or background levels and/or located in areas that		Nitrate ranges from greater than 5 to less than or equal to 10 mg/l Other parameters are detected at	Parameters are detected at concentrations exceeding the MCLs (11)	Number of Wells Removed from service	Number of Wells Requiring Special Treatment	Background parameters exceed MCLs (14)
			ND ⁽⁶⁾	Number of wells in sensitive or vulnerable areas (optional) (7)	Nitrate # 5 mg/l VOC, SOC, and Other parameters not detected (8)	Number of wells in sensitive or vulnerable areas (optional)	concentrations exceeding the MDL but are less than or equal to the MCLs (10)				
Finished Water	40	VOC	40	40	40		0	0	0	0	0
Quality Data from Public		SOC (15)	40	All state aquifers con-	40		0	0	0	0	0
Water Supply Wells		NO ₂	40	sidered to be vulnerable.	0		0	0	0	0	0
		Other (16)	40		40		0	0	0	0	0

Major uses of the aquifer or hydrologic unit	_X_ Public water supply	_X_ Irrigation	Commercial	Mining	Baseflow Maintenance
	X Private water supply	Thermoelectric	Livestock	Industrial	
Uses affected by water quality problems	_X_ Public water supply	Irrigation	Commercial	Mining	Baseflow Maintenance
(optional) (8)	_X_ Private water supply	Thermoelectric	Livestock	Industrial	

Table 5-4.79 Aquifer Monitoring Data

Hydrogeologic Setting (1) Molokai - 0303 Southeast Aquifer Sector, Ualapue Aquifer System

Spatial Description (optional) (2) See Map: Hawaii Aquifer Sectors and Aquifer Systems

	Total No. of	ъ.	Number	of Wells							
Monitoring Data Type	Wells Used in the Assessment (5)	Parameter Groups		ions of s above MDLs ound levels	from background less than or equal No detections or other than nitrate MDLs or backgrand/or located in	Nitrate concentrations range from background levels to less than or equal to 5 mg/l No detections or parameters other than nitrate above MDLs or background levels and/or located in areas that are sensitive or vulnerable		Parameters are detected at concentrations exceeding the MCLs (11)	Number of Wells Removed from service	Number of Wells Requiring Special Treatment	Background parameters exceed MCLs (14)
			ND ⁽⁶⁾	Number of wells in sensitive or vulnerable areas (optional) (7)	Nitrate # 5 mg/l VOC, SOC, and Other parameters not detected (8)	Number of wells in sensitive or vulnerable areas (optional)	concentrations exceeding the MDL but are less than or equal to the MCLs (10)				
Finished Water	42	VOC	42	42	42		0	0	0	0	0
Quality Data from Public		SOC (15)	42	All state aquifers con-	42		0	0	0	0	0
Water Supply Wells	NO_2	42	sidered to be vulnerable.	0		0	0	0	0	0	
		Other (16)	42		42		0	0	0	0	0

Major uses of the aquifer or hydrologic unit	_X_ Public water supply	_X_ Irrigation	Commercial	Mining	Baseflow Maintenance
	X Private water supply	Thermoelectric	Livestock	Industrial	
Uses affected by water quality problems (optional) (8)	_X_ Public water supply	Irrigation	Commercial	Mining	Baseflow Maintenance
(optional)	_X_ Private water supply	Thermoelectric	Livestock	Industrial	

Table 5-4.80 Aquifer Monitoring Data

Hydrogeologic Setting (1) Molokai - 0304 Southeast Aquifer Sector, Waialua Aquifer System Spatial Description (optional) (2) See Map: Hawaii Aquifer Sectors and Aquifer Systems

	T (IN C	ъ.	Number	of Wells							
Data Type Win	Total No. of Wells Used in the Assessment	Parameter Groups	-	ions of is above MDLs ound levels	from background less than or equal No detections or other than nitrate MDLs or backgrand/or located in	fitrate concentrations range from background levels to less than or equal to 5 mg/l for detections or parameters ther than nitrate above MDLs or background levels and/or located in areas that the sensitive or vulnerable		Parameters are detected at concentrations exceeding the MCLs (11)	Number of Wells Removed from service	Number of Wells Requiring Special Treatment	Background parameters exceed MCLs (14)
			ND ⁽⁶⁾	Number of wells in sensitive or vulnerable areas (optional) (7)	Nitrate # 5 mg/l VOC, SOC, and Other parameters not detected (8)	Number of wells in sensitive or vulnerable areas (optional)	concentrations exceeding the MDL but are less than or equal to the MCLs (10)				
Finished Water	7	VOC	7	7	7		0	0	0	0	0
Quality Data from Public Water Supply		SOC (15)	7	All state aquifers con-	7		0	0	0	0	0
Wells		NO ₂	7	sidered to be vulnerable.	0		0	0	0	0	0
		Other (16)	7		7		0	0	0	0	0

Major uses of the aquifer or hydrologic unit	_X_ Public water supply	_X_ Irrigation	Commercial	Mining	Baseflow Maintenance
	X Private water supply	Thermoelectric	Livestock	Industrial	
Uses affected by water quality problems	_X_ Public water supply	Irrigation	Commercial	Mining	Baseflow Maintenance
(optional) (8)	_X_ Private water supply	Thermoelectric	Livestock	Industrial	

Table 5-4.81 Aquifer Monitoring Data

Hydrogeologic Setting ⁽¹⁾ <u>Molokai - 0401 Northeast Aquifer Sector, Kalaupapa Aquifer System</u> Spatial Description (optional) ⁽²⁾ <u>See Map: Hawaii Aquifer Sectors and Aquifer Systems</u>

	Total No. of	ъ.	Number	of Wells							
Monitoring Data Type	Wells Used in the Assessment (3)	Parameter Groups		ters above MDLs ground levels to less than or equal to 5 mg/l No detections or parameters other than nitrate above MDLs or background levels and/or located in areas that are sensitive or vulnerable		Nitrate ranges from greater than 5 to less than or equal to 10 mg/l Other parameters are detected at	Parameters are detected at concentrations exceeding the MCLs (11)	Number of Wells Removed from service	Number of Wells Requiring Special Treatment	Background parameters exceed MCLs (14)	
			ND ⁽⁶⁾	Number of wells in sensitive or vulnerable areas (optional) (7)	Nitrate # 5 mg/l VOC, SOC, and Other parameters not detected (8)	Number of wells in sensitive or vulnerable areas (optional)	concentrations exceeding the MDL but are less than or equal to the MCLs (10)				
Finished Water	0	VOC	0	0	0		0	0	0	0	0
Quality Data from Public Water Supply		SOC (15)	0	All state aquifers con-	0		0	0	0	0	0
Wells		NO ₂	0	sidered to be vulnerable.	0		0	0	0	0	0
		Other (16)	0		0		0	0	0	0	0

Major uses of the aquifer or hydrologic unit	_X_ Public water supply	_X_ Irrigation	Commercial	Mining	Baseflow Maintenance
	X Private water supply	Thermoelectric	Livestock	Industrial	
Uses affected by water quality problems	_X_ Public water supply	Irrigation	Commercial	Mining	Baseflow Maintenance
(optional) (8)	_X_ Private water supply	Thermoelectric	Livestock	Industrial	

Table 5-4.82 Aquifer Monitoring Data

Hydrogeologic Setting (1) <u>Molokai - 0402 Northeast Aquifer Sector, Kahanui Aquifer System</u> Spatial Description (optional) (2) <u>See Map: Hawaii Aquifer Sectors and Aquifer Systems</u>

	Total No. of	ъ.	Number	of Wells							
Monitoring Data Type	Wells Used in the Assessment (3)	Parameter Groups	parameter	nameters above MDLs background levels Nitrate concentrations range from background levels to less than or equal to 5 mg/l No detections or parameters other than nitrate above MDLs or background levels and/or located in areas that are sensitive or vulnerable		Nitrate ranges from greater than 5 to less than or equal to 10 mg/l Other parameters are detected at	Parameters are detected at concentrations exceeding the MCLs (11)	Number of Wells Removed from service	Number of Wells Requiring Special Treatment	Background parameters exceed MCLs (14)	
			ND ⁽⁶⁾	Number of wells in sensitive or vulnerable areas (optional) (7)	Nitrate # 5 mg/l VOC, SOC, and Other parameters not detected (8)	Number of wells in sensitive or vulnerable areas (optional)	concentrations exceeding the MDL but are less than or equal to the MCLs (10)				
Finished Water	3	VOC	3	3	3		0	0	0	0	0
Quality Data from Public Water Supply		SOC (15)	3	All state aquifers con-	3		0	0	0	0	0
Wells		NO ₂	3	sidered to be vulnerable.	0		0	0	0	0	0
		Other (16)	3		3		0	0	0	0	0

Major uses of the aquifer or hydrologic unit	_X_ Public water supply	_X_ Irrigation	Commercial	Mining	Baseflow Maintenance
	X Private water supply	Thermoelectric	Livestock	Industrial	
Uses affected by water quality problems	_X_ Public water supply	Irrigation	Commercial	Mining	Baseflow Maintenance
(optional) (8)	_X_ Private water supply	Thermoelectric	Livestock	Industrial	

Table 5-4.83 Aquifer Monitoring Data

Hydrogeologic Setting (1) <u>Molokai - 0403 Northeast Aquifer Sector, Waikolu Aquifer System</u> Spatial Description (optional) (2) <u>See Map: Hawaii Aquifer Sectors and Aquifer Systems</u>

	T (IN C	Parameter	Number	of Wells							
Data Type Wells U in the	Total No. of Wells Used in the Assessment	Groups		Nitrate concentrations range from background levels to less than or equal to 5 mg/l No detections or parameters other than nitrate above MDLs or background levels and/or located in areas that are sensitive or vulnerable		Nitrate ranges from greater than 5 to less than or equal to 10 mg/l Other parameters are detected at	Parameters are detected at concentrations exceeding the MCLs (11)	Number of Wells Removed from service	Number of Wells Requiring Special Treatment	Background parameters exceed MCLs (14)	
	ND (6) Number of wells in sensitive or vulnerable Number of vulnerable Nitrate # 5 mg/l Number of wells in sensitive or vulnerable or vulnerable or vulnerable voc. SOC, and Other parameters not vulnerable or vulnerable concentre exceeding MDL but less than equal to	concentrations exceeding the MDL but are less than or equal to the MCLs (10)									
Finished Water	6	VOC	6	6	6		0	0	0	0	0
Quality Data from Public Water Supply		SOC (15)	6	All state aquifers con-	6		0	0	0	0	0
Wells	NO ₂ 6 sidered to be vulnerable.			0	0	0	0	0			
		Other (16)	6		6		0	0	0	0	0

Major uses of the aquifer or hydrologic unit	_X_ Public water supply	_X_ Irrigation	Commercial	Mining	Baseflow Maintenance
	X Private water supply	Thermoelectric	Livestock	Industrial	
Uses affected by water quality problems (optional) (8)	_X_ Public water supply	Irrigation	Commercial	Mining	Baseflow Maintenance
(optionar)	_X_ Private water supply	Thermoelectric	Livestock	Industrial	

Table 5-4.84 Aquifer Monitoring Data

Hydrogeologic Setting ⁽¹⁾ Molokai - 0404 Northeast Aquifer Sector, Haupu Aquifer System
Spatial Description (optional) ⁽²⁾ See Map: Hawaii Aquifer Sectors and Aquifer Systems
Map Available (optional) ⁽³⁾ Map available; Section 5-3

Data Reporting Period (4)

January 1998 - January 2000

	T (IN C	ъ.	Number	of Wells							
Monitoring Data Type Total No. of Wells Used in the Assessment (5)	Wells Used in the	Groups	No detections of parameters above MDLs or background levels No detections of parameters above MDLs from less to the MDI and/o		Nitrate concentration background less than or equal No detections or other than nitrate MDLs or backgrand/or located in are sensitive or version or sensitive or version backgrand.	d levels to al to 5 mg/l parameters e above round levels a areas that	Nitrate ranges from greater than 5 to less than or equal to 10 mg/l Other parameters are detected at	Parameters are detected at concentrations exceeding the MCLs (11)	Number of Wells Removed from service	Number of Wells Requiring Special Treatment	Background parameters exceed MCLs (14)
			ND ⁽⁶⁾	Number of wells in sensitive or vulnerable areas (optional) (7)	Nitrate # 5 mg/l VOC, SOC, and Other parameters not detected (8)	Number of wells in sensitive or vulnerable areas (optional)	concentrations exceeding the MDL but are less than or equal to the MCLs (10)				
Finished Water	0	VOC	0	0	0		0	0	0	0	0
Quality Data from Public Water Supply		SOC (15)	0	All state aquifers con-	0		0	0	0	0	0
Wells		NO ₂	0	sidered to be vulnerable.	0		0	0	0	0	0
		Other (16)	0		0		0	0	0	0	0

Major uses of the aquifer or hydrologic unit	_X_ Public water supply	_X_ Irrigation	Commercial	Mining	Baseflow Maintenance
	X Private water supply	Thermoelectric	Livestock	Industrial	
Uses affected by water quality problems	_X_ Public water supply	Irrigation	Commercial	Mining	Baseflow Maintenance
(optional) (8)	_X_ Private water supply	Thermoelectric	Livestock	Industrial	

Table 5-4.85 Aquifer Monitoring Data

Hydrogeologic Setting (1) <u>Molokai - 0405 Northeast Aquifer Sector, Pelekunu Aquifer System</u>

Spatial Description (optional) (2) See Map: Hawaii Aquifer Sectors and Aquifer Systems

	T (IN C	Б	Number	of Wells							
Monitoring Data Type Total No. of Wells Used in the Assessment (5)	Groups	parameters above MDLs or background levels from background levels No detect other than MDLs or and/or loc		Nitrate concentration background less than or equal No detections or other than nitrate MDLs or backgrand/or located in are sensitive or version or sensitive or version backgrand.	d levels to al to 5 mg/l parameters e above round levels a areas that	Nitrate ranges from greater than 5 to less than or equal to 10 mg/l Other parameters are detected at	detected at concentrations exceeding the from	Number of Wells Removed from service	Number of Wells Requiring Special Treatment	Background parameters exceed MCLs (14)	
			ND ⁽⁶⁾	Number of wells in sensitive or vulnerable areas (optional) (7)	Nitrate # 5 mg/l VOC, SOC, and Other parameters not detected (8)	Number of wells in sensitive or vulnerable areas (optional)	concentrations exceeding the MDL but are less than or equal to the MCLs (10)				
Finished Water	0	VOC	0	0	0		0	0	0	0	0
Quality Data from Public Water Supply		SOC (15)	0	All state aquifers con-	0		0	0	0	0	0
Wells		NO_2	0	sidered to be vulnerable.	0		0	0	0	0	0
		Other (16)	0		0		0	0	0	0	0

Major uses of the aquifer or hydrologic unit	_X_ Public water supply	_X_ Irrigation	Commercial	Mining	Baseflow Maintenance
	X Private water supply	Thermoelectric	Livestock	Industrial	
Uses affected by water quality problems (optional) (8)	_X_ Public water supply _X_ Private water supply	Irrigation Thermoelectric	Commercial	Mining Industrial	Baseflow Maintenance

Table 5-4.86 Aquifer Monitoring Data

Hydrogeologic Setting ⁽¹⁾ Molokai - 0406 Northeast Aquifer Sector, Wailau Aquifer System Spatial Description (optional) ⁽²⁾ See Map: Hawaii Aquifer Sectors and Aquifer Systems

	T (IN C	ъ.	Number	of Wells							
Monitoring Data Type Total No. of Wells Used in the Assessment (5)	Wells Used in the	Groups	No detections of parameters above MDLs or background levels No detections of parameters above MDLs from less to the MDI and/o		Nitrate concentration background less than or equal No detections or other than nitrate MDLs or backgrand/or located in are sensitive or version or sensitive or version backgrand.	d levels to al to 5 mg/l parameters e above round levels a areas that	Nitrate ranges from greater than 5 to less than or equal to 10 mg/l Other parameters are detected at	Parameters are detected at concentrations exceeding the MCLs (11)	Number of Wells Removed from service	Number of Wells Requiring Special Treatment	Background parameters exceed MCLs (14)
			ND ⁽⁶⁾	Number of wells in sensitive or vulnerable areas (optional) (7)	Nitrate # 5 mg/l VOC, SOC, and Other parameters not detected (8)	Number of wells in sensitive or vulnerable areas (optional)	concentrations exceeding the MDL but are less than or equal to the MCLs (10)				
Finished Water	0	VOC	0	0	0		0	0	0	0	0
Quality Data from Public Water Supply		SOC (15)	0	All state aquifers con-	0		0	0	0	0	0
Wells		NO ₂	0	sidered to be vulnerable.	0		0	0	0	0	0
		Other (16)	0		0		0	0	0	0	0

Major uses of the aquifer or hydrologic unit	_X_ Public water supply	_X_ Irrigation	Commercial	Mining	Baseflow Maintenance
	X Private water supply	Thermoelectric	Livestock	Industrial	
Uses affected by water quality problems	_X_ Public water supply	Irrigation	Commercial	Mining	Baseflow Maintenance
(optional) (8)	_X_ Private water supply	Thermoelectric	Livestock	Industrial	

Table 5-4.87 Aquifer Monitoring Data

Hydrogeologic Setting ⁽¹⁾ <u>Molokai - 0407 Northeast Aquifer Sector, Halawa Aquifer System</u> Spatial Description (optional) ⁽²⁾ <u>See Map: Hawaii Aquifer Sectors and Aquifer Systems</u>

	T (IN C		Number	of Wells							
Data Type Wells Used in the		Parameter Groups	No detections of parameters above MDLs or background levels Nitrate concentration from background less than or equal less than or equal less than or equal MDLs or background and/or located in a are sensitive or vu		d levels to al to 5 mg/l parameters e above cound levels a areas that	Nitrate ranges from greater than 5 to less than or equal to 10 mg/l Other parameters are detected at	Parameters are detected at concentrations exceeding the MCLs (11)	Number of Wells Removed from service	Number of Wells Requiring Special Treatment	Background parameters exceed MCLs (14)	
			ND ⁽⁶⁾	Number of wells in sensitive or vulnerable areas (optional) (7)	Nitrate # 5 mg/l VOC, SOC, and Other parameters not detected (8)	Number of wells in sensitive or vulnerable areas (optional)	concentrations exceeding the MDL but are less than or equal to the MCLs (10)				
Finished Water	0	VOC	0	0	0		0	0	0	0	0
Quality Data from Public		SOC (15)	0	All state aquifers con-	0		0	0	0	0	0
Water Supply Wells		NO_2	0	sidered to be vulnerable.	0		0	0	0	0	0
		Other (16)	0		0		0	0	0	0	0

Major uses of the aquifer or hydrologic unit	_X_ Public water supply	_X_ Irrigation	Commercial	Mining	Baseflow Maintenance
	X Private water supply	Thermoelectric	Livestock	Industrial	
Uses affected by water quality problems (optional) (8)	_X_ Public water supply _X_ Private water supply	IrrigationThermoelectric	Commercial	MiningIndustrial	Baseflow Maintenance

Table 5-4.88 Aquifer Monitoring Data

Hydrogeologic Setting ⁽¹⁾ Oahu - 0101 Honolulu Aquifer Sector, Palolo Aquifer System
Spatial Description (optional) ⁽²⁾ See Map: Hawaii Aquifer Sectors and Aquifer Systems
Map Available (optional) ⁽³⁾ Map available; Section 5-3

	T (I N C		Number	of Wells							
Data Type Wells Us in the	Total No. of Wells Used in the Assessment	Parameter Groups	*	ions of s above MDLs ound levels	Nitrate concentrations ran from background levels t less than or equal to 5 mg No detections or paramet other than nitrate above MDLs or background lev and/or located in areas th are sensitive or vulnerable		Nitrate ranges from greater than 5 to less than or equal to 10 mg/l Other parameters are detected at	Parameters are detected at concentrations exceeding the MCLs (11)	Number of Wells Removed from service	Number of Wells Requiring Special Treatment	Background parameters exceed MCLs (14)
			ND ⁽⁶⁾	Number of wells in sensitive or vulnerable areas (optional) (7)	Nitrate # 5 mg/l VOC, SOC, and Other parameters not detected (8)	Number of wells in sensitive or vulnerable areas (optional)	concentrations exceeding the MDL but are				
Finished Water	66	VOC	66	66	66		0	0	0	0	0
Quality Data from Public Water Supply		SOC (15)	66	All state aquifers con-	66		0	0	0	0	0
Wells		NO ₂	66	sidered to be vulnerable.	0		0	0	0	0	0
		Other (16)	66		66		1	0	0	0	0

Major uses of the aquifer or hydrologic unit	_X_ Public water supply	Irrigation	Irrigation _X_ Commercial		Baseflow Maintenance
	X Private water supply	Thermoelectric	Livestock	_X_ Industrial	
Uses affected by water quality problems (optional) (8)	_X_ Public water supply	Irrigation	Commercial	Mining	Baseflow Maintenance
(optional)	_X_ Private water supply	Thermoelectric	Livestock	Industrial	

Table 5-4.89 Aquifer Monitoring Data

Hydrogeologic Setting ⁽¹⁾ Oahu - 0102 Honolulu Aquifer Sector, Nuuanu Aquifer System
Spatial Description (optional) ⁽²⁾ See Map: Hawaii Aquifer Sectors and Aquifer Systems
Map Available (optional) ⁽³⁾ Map available; Section 5-3

	T (IN C	ъ.	Number	of Wells							
Monitoring Data Type Total No. of Wells Used in the Assessment (5)	Wells Used	Groups		ions of s above MDLs ound levels	Nitrate concentration background less than or equal No detections or other than nitrate MDLs or backgrand/or located in are sensitive or version of the sensitive or version of the sensitive or version backgrand.	d levels to al to 5 mg/l parameters e above round levels a areas that	Nitrate ranges from greater than 5 to less than or equal to 10 mg/l Other parameters are detected at	Parameters are detected at concentrations exceeding the MCLs (11)	Number of Wells Removed from service	Wells of Wells Requiring Special	Background parameters exceed MCLs (14)
	ND (6) Number of wells in sensitive or vulnerable areas Nitrate # 5 mg/l Number wells in sensitive or vulnerable areas Nitrate # 5 mg/l Number wells in sensitive vulnera areas	Number of wells in sensitive or vulnerable areas (optional)	concentrations exceeding the MDL but are less than or equal to the MCLs (10)								
Finished Water	153	VOC	153	153	153		0	0	0	0	0
Quality Data from Public Water Supply		SOC (15)	153	All state aquifers con-	153		0	0	0	0	0
Wells		NO ₂	153	sidered to be vulnerable.	0		0	0	0	0	0
		Other (16)	153		153		5	0	0	0	0

Major uses of the aquifer or hydrologic unit	_X_ Public water supply	Irrigation	_X_ Commercial	Mining	Baseflow Maintenance
	X Private water supply	Thermoelectric	Livestock	_X_ Industrial	
Uses affected by water quality problems (optional) (8)	_X_ Public water supply	Irrigation	Commercial	Mining	Baseflow Maintenance
(optional)	_X_ Private water supply	Thermoelectric	Livestock	Industrial	

Table 5-4.90 Aquifer Monitoring Data

Hydrogeologic Setting ⁽¹⁾ Oahu - 0103 Honolulu Aquifer Sector, Kalihi Aquifer System Spatial Description (optional) ⁽²⁾ See Map: Hawaii Aquifer Sectors and Aquifer Systems Map Available (optional) ⁽³⁾ Map available; Section 5-3

	T . IN . C	-	Number	of Wells							
Data Type Wells Used in the		Parameter Groups		ions of is above MDLs ound levels	above MDLs from backgroun		Nitrate ranges from greater than 5 to less than or equal to 10 mg/l Other parameters are detected at	Parameters are detected at concentrations exceeding the MCLs (11)	etected at of Wells of Wells oncentrations Removed Requiring		Background parameters exceed MCLs (14)
	ND (6) Number of wells in sensitive or vulnerable VOC Other param	Nitrate # 5 mg/l VOC, SOC, and Other parameters not detected (8)	Number of wells in sensitive or vulnerable areas (optional)	concentrations exceeding the MDL but are less than or equal to the MCLs (10)							
Finished Water	68	VOC	68	68	68		0	0	0	0	0
Quality Data from Public Water Supply		SOC (15)	68	All state aquifers con-	68		0	0	0	0	0
Wells		NO ₂	68	sidered to be vulnerable.	0		0	0	0	0	0
		Other (16)	68		68		2	0	0	0	0

Major uses of the aquifer or hydrologic unit	_X_ Public water supply	Irrigation	_X_ Commercial	Mining	Baseflow Maintenance
	X Private water supply	Thermoelectric	Livestock	_X_ Industrial	
Uses affected by water quality problems (optional) (8)	_X_ Public water supply	Irrigation	Commercial	Mining	Baseflow Maintenance
(optional)	_X_ Private water supply	Thermoelectric	Livestock	Industrial	

Table 5-4.91 Aquifer Monitoring Data

Hydrogeologic Setting (1) Oahu - 0104 Honolulu Aquifer Sector, Moanalua Aquifer System

Spatial Description (optional) (2) See Map: Hawaii Aquifer Sectors and Aquifer Systems

Man Applicable (antional) (3)

Man applicable Section 5-2

	T (IN C	ъ.	Number	of Wells							
Monitoring Data Type Total No. of Wells Used in the Assessment (5)	Parameter Groups	-	ions of es above MDLs ound levels	Nitrate concentration background less than or equal No detections or other than nitrate MDLs or backgrand/or located in are sensitive or version or sensitive or version backgrand.	d levels to al to 5 mg/l parameters e above round levels a areas that	Nitrate ranges from greater than 5 to less than or equal to 10 mg/l Other parameters are detected at	Parameters are detected at concentrations exceeding the MCLs (11)	Number of Wells Removed from service	Number of Wells Requiring Special Treatment	Background parameters exceed MCLs (14)	
			ND ⁽⁶⁾	Number of wells in sensitive or vulnerable areas (optional) (7)	Nitrate # 5 mg/l VOC, SOC, and Other parameters not detected (8)	Number of wells in sensitive or vulnerable areas (optional)	concentrations exceeding the MDL but are less than or equal to the MCLs (10)				
Finished Water	44	VOC	44	44	44		0	0	0	0	0
Quality Data from Public Water Supply		SOC (15)	44	All state aquifers con-	44		0	0	0	0	0
Wells		NO ₂	44	sidered to be vulnerable.	0		0	0	0	0	0
		Other (16)	44		44		5	0	0	0	0

Major uses of the aquifer or hydrologic unit	_X_ Public water supply	Irrigation	_X_ Commercial	Mining	Baseflow Maintenance
	X Private water supply	Thermoelectric	Livestock	_X_ Industrial	
Uses affected by water quality problems (optional) (8)	_X_ Public water supply _X_ Private water supply	Irrigation Thermoelectric	Commercial	Mining Industrial	Baseflow Maintenance

Table 5-4.92 Aquifer Monitoring Data

Hydrogeologic Setting ⁽¹⁾ Oahu - 0105 Honolulu Aquifer Sector, Waialae Aquifer System Spatial Description (optional) ⁽²⁾ See Map: Hawaii Aquifer Sectors and Aquifer Systems

Map Available (optional) ⁽³⁾ Map available; Section 5-3

	T (IN C	ъ.	Number	of Wells							
Monitoring Data Type Total No. of Wells Used in the Assessment	Wells Used	Parameter Groups		ions of is above MDLs ound levels	Nitrate concentration background less than or equal No detections or other than nitrate MDLs or backgrand/or located in are sensitive or version of the sensitive or version of the sensitive or version backgrand.	d levels to al to 5 mg/l parameters e above round levels a areas that	Nitrate ranges from greater than 5 to less than or equal to 10 mg/l Other parameters are detected at	detected at concentrations han 5 to less han or equal to 10 mg/l Other parameters are letected at concentrations exceeding the MCLs (11) Other parameters are letected at le		Number of Wells Requiring Special Treatment	Background parameters exceed MCLs (14)
	ND (6) Number of wells in sensitive or vulnerable Nitrate # 5 mg/l Number of wells in sensitive or vulnerable voc. SOC, and Other parameters not vulnerable con exception with the sensitive or vulnerable vulnerable voc.	concentrations exceeding the MDL but are less than or equal to the MCLs (10)									
Finished Water	47	VOC	47	47	47		0	0	0	0	0
Quality Data from Public		SOC (15)	46	All state aquifers con-	46		1	0	0	0	0
Water Supply Wells		NO ₂	47	sidered to be vulnerable.	0		0	0	0	0	0
		Other (16)	47		47		1	0	0	0	0

Major uses of the aquifer or hydrologic unit	_X_ Public water supply	Irrigation	_X_ Commercial	Mining	Baseflow Maintenance
	X Private water supply	Thermoelectric	Livestock	_X_ Industrial	
Uses affected by water quality problems	_X_ Public water supply	Irrigation	Commercial	Mining	Baseflow Maintenance
(optional) (8)	_X_ Private water supply	Thermoelectric	Livestock	Industrial	

Table 5-4.93 Aquifer Monitoring Data

Hydrogeologic Setting (1) Oahu - 0201 Pearl Harbor Aquifer Sector, Waimalu Aquifer System

Spatial Description (optional) (2) See Map: Hawaii Aquifer Sectors and Aquifer Systems

	T (IN C	ъ.	Number	of Wells							
Monitoring Data Type Total No. of Wells Used in the Assessment	Wells Used	Parameter Groups	parameter	from background levels to less than or equal to 5 mg/l No detections or parameters other than nitrate above MDLs or background levels and/or located in areas that are sensitive or vulnerable from background levels to less than or equal to 5 mg/l than 5 to less than or equal to 10 mg/l Other parameters a detected at	than 5 to less than or equal to 10 mg/l Other parameters are	detected at concentrations exceeding the MCLs (11)	Number of Wells Removed from service	of Wells Removed Requiring From Special	Background parameters exceed MCLs (14)		
	ND (6) Number of wells in sensitive or vulnerable VOC, SOC, and Other parameters not vulnerable or v	concentrations exceeding the MDL but are less than or equal to the MCLs (10)									
Finished Water	214	VOC	214	214	214		0	0	0	0	0
Quality Data from Public		SOC (15)	208	All state aquifers con-	208		6	0	0	0	0
Water Supply Wells		NO ₂	213	sidered to be vulnerable.	1		0	0	0	0	0
		Other (16)	214		214		12	0	0	0	0

Major uses of the aquifer or hydrologic unit	_X_ Public water supply	Irrigation	_X_ Commercial	Mining	Baseflow Maintenance
	X Private water supply	Thermoelectric	Livestock	_X_ Industrial	
Uses affected by water quality problems	_X_ Public water supply	Irrigation	Commercial	Mining	Baseflow Maintenance
(optional) (8)	_X_ Private water supply	Thermoelectric	Livestock	Industrial	

Table 5-4.94 Aquifer Monitoring Data

Hydrogeologic Setting (1) Oahu - 0202 Pearl Harbor Aquifer Sector, Waiawa Aquifer System

Spatial Description (optional) (2) See Map: Hawaii Aquifer Sectors and Aquifer Systems

	T (IN C		Number	of Wells							
Data Type Wells Used in the	Total No. of Wells Used in the Assessment	Parameter Groups	No detections of parameters above MDLs or background levels		Nitrate concentr from background less than or equal No detections or other than nitrate MDLs or backgrand/or located in are sensitive or versions.	d levels to al to 5 mg/l parameters e above round levels a areas that	Nitrate ranges from greater than 5 to less than or equal to 10 mg/l Other parameters are detected at	Parameters are detected at concentrations exceeding the MCLs (11)	etected at of Wells of Wells oncentrations Removed Requiring		Background parameters exceed MCLs (14)
			ND ⁽⁶⁾	Number of wells in sensitive or vulnerable areas (optional) (7)	Nitrate # 5 mg/l VOC, SOC, and Other parameters not detected (8)	Number of wells in sensitive or vulnerable areas (optional)	concentrations exceeding the MDL but are				
Finished Water	139	VOC	131	139	131		8	0	0	0	0
Quality Data from Public Water Supply		SOC (15)	132	All state aquifers con-	132		7	0	0	0	0
Wells		NO ₂	139	sidered to be vulnerable.	0		0	0	0	0	0
		Other (16)	139		139		1	0	0	0	0

Major uses of the aquifer or hydrologic unit	_X_ Public water supply	Irrigation	_X_ Commercial	Mining	Baseflow Maintenance
	X Private water supply	Thermoelectric	Livestock	_X_ Industrial	
Uses affected by water quality problems (optional) (8)	_X_ Public water supply	Irrigation	Commercial	Mining	Baseflow Maintenance
(optional)	_X_ Private water supply	Thermoelectric	Livestock	Industrial	

Table 5-4.95 Aquifer Monitoring Data

Hydrogeologic Setting (1) Oahu - 0203 Pearl Harbor Aquifer Sector, Waipahu Aquifer System

Spatial Description (optional) (2) See Map: Hawaii Aquifer Sectors and Aquifer Systems

	T (IN C	s Used Groups	Number	of Wells							
Data Type Wells Use in the	Total No. of Wells Used in the Assessment			ions of s above MDLs ound levels	Nitrate concentrations range from background levels to less than or equal to 5 mg/l No detections or parameters other than nitrate above MDLs or background levels and/or located in areas that are sensitive or vulnerable		Nitrate ranges from greater than 5 to less than or equal to 10 mg/l Other parameters are detected at	Parameters are detected at concentrations exceeding the MCLs (11)	Number of Wells Removed from service	Number of Wells Requiring Special Treatment	Background parameters exceed MCLs (14)
			ND ⁽⁶⁾	Number of wells in sensitive or vulnerable areas (optional) (7)	Nitrate # 5 mg/l VOC, SOC, and Other parameters not detected (8)	Number of wells in sensitive or vulnerable areas (optional)	concentrations exceeding the MDL but are less than or equal to the MCLs (10)				
Finished Water	266	VOC	244	266	244		22	0	0	0	0
Quality Data from Public Water Supply		SOC (15)	252	All state aquifers con-	252		14	0	0	0	0
Wells	$\overline{\mathrm{NO}_2}$	251	sidered to be vulnerable.	9		6	0	0	0	0	
		Other (16)	266		266		17	0	0	0	0

Major uses of the aquifer or hydrologic unit	_X_ Public water supply	Irrigation	ation _X_ Commercial		Baseflow Maintenance
	X Private water supply	Thermoelectric	Livestock	_X_ Industrial	
Uses affected by water quality problems (optional) (8)	_X_ Public water supply	Irrigation	Commercial	Mining	Baseflow Maintenance
(optional)	_X_ Private water supply	Thermoelectric	Livestock	Industrial	

Table 5-4.96 Aquifer Monitoring Data

Hydrogeologic Setting ⁽¹⁾ Oahu - 0204 Pearl Harbor Aquifer Sector, Ewa Aquifer System
Spatial Description (optional) ⁽²⁾ See Map: Hawaii Aquifer Sectors and Aquifer Systems
Map Available (optional) ⁽³⁾ Map available; Section 5-3

	T (IN C	ъ.	Number	of Wells							
Monitoring Data Type Total No. of Wells Used in the Assessment (s)	Groups	-	ions of es above MDLs ound levels	Nitrate concentration background less than or equal No detections or other than nitrate MDLs or backgrand/or located in are sensitive or version of the sensitive or version of the sensitive or version backgrand.	d levels to al to 5 mg/l parameters e above round levels a areas that	Nitrate ranges from greater than 5 to less than or equal to 10 mg/l Other parameters are detected at	Parameters are detected at concentrations exceeding the MCLs (11)	from Special	of Wells Requiring	Background parameters exceed MCLs (14)	
			ND ⁽⁶⁾	Number of wells in sensitive or vulnerable areas (optional) (7)	Nitrate # 5 mg/l VOC, SOC, and Other parameters not detected (8)	Number of wells in sensitive or vulnerable areas (optional)	concentrations exceeding the MDL but are less than or equal to the MCLs (10)				
Finished Water	105	VOC	105	105	105		0	0	0	0	0
Quality Data from Public Water Supply		SOC (15)	104	All state aquifers con-	104		1	0	0	0	0
Wells		NO ₂	105	sidered to be vulnerable.	0		0	0	0	0	0
		Other (16)	105		105		2	0	0	0	0

Major uses of the aquifer or hydrologic unit	_X_ Public water supply	Irrigation	_X_ Commercial	Mining	Baseflow Maintenance
	X Private water supply	Thermoelectric	Livestock	_X_ Industrial	
Uses affected by water quality problems (optional) (8)	_X_ Public water supply _X_ Private water supply	Irrigation Thermoelectric	Commercial	Mining Industrial	Baseflow Maintenance

Table 5-4.97 Aquifer Monitoring Data

Hydrogeologic Setting ⁽¹⁾ Oahu - 0205 Pearl Harbor Aquifer Sector, Kunia Aquifer System
Spatial Description (optional) ⁽²⁾ See Map: Hawaii Aquifer Sectors and Aquifer Systems
Map Available (optional) ⁽³⁾ Map available; Section 5-3

Data Reporting Period (4)

January 1998 - January 2000

	T (IN C	ъ.	Number	of Wells							
Data Type Wells Us in the	Total No. of Wells Used in the Assessment	Groups		ions of is above MDLs ound levels	Nitrate concentration background less than or equal No detections or other than nitrate MDLs or backgrand/or located in are sensitive or version of the sensitive or version of the sensitive or version backgrand.	d levels to al to 5 mg/l parameters e above round levels a areas that	Nitrate ranges from greater than 5 to less than or equal to 10 mg/l Other parameters are detected at	Parameters are detected at concentrations exceeding the MCLs (11)	Number of Wells Removed from service	Number of Wells Requiring Special Treatment	Background parameters exceed MCLs (14)
			ND ⁽⁶⁾	Number of wells in sensitive or vulnerable areas (optional) (7)	Nitrate # 5 mg/l VOC, SOC, and Other parameters not detected (8)	Number of wells in sensitive or vulnerable areas (optional)	concentrations exceeding the MDL but are less than or equal to the MCLs (10)				
Finished Water	0	VOC	0	0	0		0	0	0	0	0
Quality Data from Public Water Supply		SOC (15)	0	All state aquifers con-	0		0	0	0	0	0
Wells	NO_2	0	sidered to be vulnerable.	0		0	0	0	0	0	
		Other (16)	0		0		0	0	0	0	0

Major uses of the aquifer or hydrologic unit	_X_ Public water supply	Irrigation	_X_ Commercial	Mining	Baseflow Maintenance
	X Private water supply	Thermoelectric	Livestock	_X_ Industrial	
Uses affected by water quality problems	_X_ Public water supply	Irrigation	Commercial	Mining	Baseflow Maintenance
(optional) (8)	_X_ Private water supply	Thermoelectric	Livestock	Industrial	

Table 5-4.98 Aquifer Monitoring Data

Hydrogeologic Setting (1) Oahu - 0301 Wainae Aquifer Sector, Nanakuli Aquifer System

Spatial Description (optional) (2) See Map: Hawaii Aquifer Sectors and Aquifer Systems

Map Available (optional) (3) Map available; Section 5-3

Data Reporting Period (4) January 1998 - January 2000

	T (IN C	ъ.	Number	of Wells							
Data Type Wells Use in the	Total No. of Wells Used in the Assessment	Parameter Groups		ions of is above MDLs ound levels	Nitrate concentration background less than or equal No detections or other than nitrate MDLs or backgrand/or located in are sensitive or version of the sensitive or version of the sensitive or version backgrand.	d levels to al to 5 mg/l parameters e above round levels a areas that		detected at concentrations exceeding the from	Number of Wells Removed from service	Number of Wells Requiring Special Treatment	Background parameters exceed MCLs (14)
			ND ⁽⁶⁾	Number of wells in sensitive or vulnerable areas (optional) (7)	Nitrate # 5 mg/l VOC, SOC, and Other parameters not detected (8)	Number of wells in sensitive or vulnerable areas (optional)	concentrations exceeding the MDL but are less than or equal to the MCLs (10)				
Finished Water	5	VOC	5	5	5		0	0	0	0	0
Quality Data from Public Water Supply		SOC (15)	5	All state aquifers con-	5		0	0	0	0	0
Wells		NO ₂	5	sidered to be vulnerable.	0		0	0	0	0	0
		Other (16)	5		5		0	0	0	0	0

Major uses of the aquifer or hydrologic unit	_X_ Public water supply	Irrigation	_X_ Commercial	Mining	Baseflow Maintenance
	X Private water supply	Thermoelectric	Livestock	_X_ Industrial	
Uses affected by water quality problems	_X_ Public water supply	Irrigation	Commercial	Mining	Baseflow Maintenance
(optional) (8)	_X_ Private water supply	Thermoelectric	Livestock	Industrial	

Table 5-4.99 Aquifer Monitoring Data

Hydrogeologic Setting (1) Oahu - 0302 Wainae Aquifer Sector, Lualualei Aquifer System

Spatial Description (optional) (2) See Map: Hawaii Aquifer Sectors and Aquifer Systems

Map Available (optional) (3) Map available; Section 5-3

Data Reporting Period (4) January 1998 - January 2000

	T (IN C	ъ.	Number	of Wells							
Data Type Wells Us in the	Total No. of Wells Used in the Assessment	sed Groups		ions of s above MDLs ound levels	Nitrate concentration background less than or equal No detections or other than nitrate MDLs or backgrand/or located in are sensitive or version of the sensitive or version of the sensitive or version backgrand.	d levels to al to 5 mg/l parameters e above round levels a areas that	Nitrate ranges from greater than 5 to less than or equal to 10 mg/l Other parameters are detected at	Parameters are detected at concentrations exceeding the MCLs (11)	Number of Wells Removed from service	Number of Wells Requiring Special Treatment	Background parameters exceed MCLs (14)
			ND ⁽⁶⁾	Number of wells in sensitive or vulnerable areas (optional) (7)	Nitrate # 5 mg/l VOC, SOC, and Other parameters not detected (8)	Number of wells in sensitive or vulnerable areas (optional)	concentrations exceeding the MDL but are less than or equal to the MCLs (10)				
Finished Water	112	VOC	112	112	112		0	0	0	0	0
Quality Data from Public Water Supply		SOC (15)	112	All state aquifers con-	112		0	0	0	0	0
Wells	NO_2	112	sidered to be vulnerable.	0		0	0	0	0	0	
		Other (16)	112		112		1	0	0	0	0

Major uses of the aquifer or hydrologic unit	_X_ Public water supply	Irrigation	_X_ Commercial	Mining	Baseflow Maintenance
	X Private water supply	Thermoelectric	Livestock	_X_ Industrial	
Uses affected by water quality problems	_X_ Public water supply	Irrigation	Commercial	Mining	Baseflow Maintenance
(optional) (8)	_X_ Private water supply	Thermoelectric	Livestock	Industrial	

Table 5-4.100 Aquifer Monitoring Data

Hydrogeologic Setting ⁽¹⁾ Oahu - 0303 Wainae Aquifer Sector, Waianae Aquifer System
Spatial Description (optional) ⁽²⁾ See Map: Hawaii Aquifer Sectors and Aquifer Systems
Map Available (optional) ⁽³⁾ Map available; Section 5-3
Data Reporting Period ⁽⁴⁾ January 1998 - January 2000

	T (IN C	ъ.	Number	of Wells							
Monitoring Data Type Total No. of Wells Used in the Assessment (5)	Parameter Groups	No detections of parameters above MDLs or background levels No detections of from background level less than or equal to 5 in the second modern than nitrate above MDLs or background level and/or located in areas are sensitive or vulnerations.		d levels to al to 5 mg/l parameters e above cound levels a areas that	Nitrate ranges from greater than 5 to less than or equal to 10 mg/l Other parameters are detected at	detected at concentrations exceeding the MCLs (11) are	Number of Wells Requiring Special Treatment	MCLs (14)			
			ND ⁽⁶⁾	Number of wells in sensitive or vulnerable areas (optional) (7)	Nitrate # 5 mg/l VOC, SOC, and Other parameters not detected (8)	concentrations	less than or equal to the				
Finished Water	69	VOC	69	69	69		0	0	0	0	0
Quality Data from Public Water Supply		SOC (15)	69	All state aquifers con-	69		0	0	0	0	0
Wells		NO ₂	69	sidered to be vulnerable.	0		0	0	0	0	0
		Other (16)	69		69		2	0	0	0	0

Major uses of the aquifer or hydrologic unit	_X_ Public water supply	Irrigation	_X_ Commercial	Mining	Baseflow Maintenance
	X Private water supply	Thermoelectric	Livestock	_X_ Industrial	
Uses affected by water quality problems	_X_ Public water supply	Irrigation	Commercial	Mining	Baseflow Maintenance
(optional) (8)	_X_ Private water supply	Thermoelectric	Livestock	Industrial	

Table 5-4.101 Aquifer Monitoring Data

Hydrogeologic Setting ⁽¹⁾ Oahu - 0304 Wainae Aquifer Sector, Makaha Aquifer System
Spatial Description (optional) ⁽²⁾ See Map: Hawaii Aquifer Sectors and Aquifer Systems
Map Available (optional) ⁽³⁾ Map available; Section 5-3

	T . IN . C	-	Number	of Wells							
Data Type Wells Use in the	Total No. of Wells Used in the Assessment	s Used Groups		ions of is above MDLs ound levels	Nitrate concentration background less than or equal No detections or other than nitrate MDLs or backgrand/or located in are sensitive or variations.	d levels to al to 5 mg/l parameters e above cound levels a areas that	Nitrate ranges from greater than 5 to less than or equal to 10 mg/l Other parameters are detected at	Parameters are detected at concentrations exceeding the MCLs (11)	Number of Wells Removed from service	Number of Wells Requiring Special Treatment	Background parameters exceed MCLs (14)
			ND ⁽⁶⁾	Number of wells in sensitive or vulnerable areas (optional) (7)	Nitrate # 5 mg/l VOC, SOC, and Other parameters not detected (8)	Number of wells in sensitive or vulnerable areas (optional)	concentrations exceeding the MDL but are less than or equal to the MCLs (10)				
Finished Water	40	VOC	40	40	40		0	0	0	0	0
Quality Data from Public		SOC (15)	40	All state aquifers con-	40		0	0	0	0	0
Water Supply Wells		NO ₂	40	sidered to be vulnerable.	0		0	0	0	0	0
		Other (16)	40		40		1	0	0	0	0

Major uses of the aquifer or hydrologic unit	_X_ Public water supply	Irrigation	rigation _X_ Commercial		Baseflow Maintenance
	X Private water supply	Thermoelectric	Livestock	_X_ Industrial	
Uses affected by water quality problems (optional) (8)	_X_ Public water supply	Irrigation	Commercial	Mining	Baseflow Maintenance
(optional)	_X_ Private water supply	Thermoelectric	Livestock	Industrial	

Table 5-4.102 Aquifer Monitoring Data

Hydrogeologic Setting ⁽¹⁾ Oahu - 0305 Wainae Aquifer Sector, Keaau Aquifer System
Spatial Description (optional) ⁽²⁾ See Map: Hawaii Aquifer Sectors and Aquifer Systems
Map Available (optional) ⁽³⁾ Map available; Section 5-3
Data Reporting Period ⁽⁴⁾ January 1998 - January 2000

	T (IN C	ъ.	Number	of Wells							
Monitoring Data Type Total No. of Wells Used in the Assessment (5)		Groups			Nitrate concentrations range from background levels to less than or equal to 5 mg/l No detections or parameters other than nitrate above MDLs or background levels and/or located in areas that are sensitive or vulnerable		Nitrate ranges from greater than 5 to less than or equal to 10 mg/l Other parameters are detected at	Parameters are detected at concentrations exceeding the MCLs (11)	Number of Wells Removed from service	Number of Wells Requiring Special Treatment	Background parameters exceed MCLs (14)
			ND ⁽⁶⁾	Number of wells in sensitive or vulnerable areas (optional) (7)	Nitrate # 5 mg/l VOC, SOC, and Other parameters not detected (8)	Number of wells in sensitive or vulnerable areas (optional)	concentrations exceeding the MDL but are less than or equal to the MCLs (10)				
Finished Water	24	VOC	24	24	24		0	0	0	0	0
Quality Data from Public Water Supply		SOC (15)	24	All state aquifers con-	24		0	0	0	0	0
Wells		NO ₂	24	sidered to be vulnerable.	0		0	0	0	0	0
		Other (16)	24		24		0	0	0	0	0

Major uses of the aquifer or hydrologic unit	_X_ Public water supply	Irrigation	rigation _X_ Commercial		Baseflow Maintenance
	X Private water supply	Thermoelectric	Livestock	_X_ Industrial	
Uses affected by water quality problems (optional) (8)	_X_ Public water supply	Irrigation	Commercial	Mining	Baseflow Maintenance
(optional)	_X_ Private water supply	Thermoelectric	Livestock	Industrial	

Table 5-4.103 Aquifer Monitoring Data

Hydrogeologic Setting (1) Oahu - 0401 North Aquifer Sector, Mokuleia Aquifer System

Spatial Description (optional) (2) See Map: Hawaii Aquifer Sectors and Aquifer Systems

Map Available (optional) (3) Map available; Section 5-3

Data Reporting Period (4) January 1998 - January 2000

	T (IN C	ъ.	Number	of Wells							
Data Type in the	Wells Used	Parameter Groups		ions of is above MDLs ound levels	Nitrate concentration background less than or equal No detections or other than nitrate MDLs or backgrand/or located in are sensitive or version of the sensitive or version of the sensitive or version backgrand.	d levels to al to 5 mg/l parameters e above round levels a areas that	Nitrate ranges from greater than 5 to less than or equal to 10 mg/l Other parameters are detected at	Parameters are detected at concentrations exceeding the MCLs (11)	of Wells of Removed from Sp	Number of Wells Requiring Special Treatment	Background parameters exceed MCLs (14)
			ND ⁽⁶⁾	Number of wells in sensitive or vulnerable areas (optional) (7)	Nitrate # 5 mg/l VOC, SOC, and Other parameters not detected (8)	Number of wells in sensitive or vulnerable areas (optional)	concentrations exceeding the MDL but are less than or equal to the MCLs (10)				
Finished Water	94	VOC	94	94	94		0	0	0	0	0
Quality Data from Public Water Supply		SOC (15)	94	All state aquifers con-	94		0	0	0	0	0
Wells		NO ₂	93	sidered to be vulnerable.	1		0	0	0	0	0
		Other (16)	94		94		1	0	0	0	0

Major uses of the aquifer or hydrologic unit	_X_ Public water supply	Irrigation	rigation _X_ Commercial		Baseflow Maintenance
	X Private water supply	Thermoelectric	Livestock	_X_ Industrial	
Uses affected by water quality problems (optional) (8)	_X_ Public water supply	Irrigation	Commercial	Mining	Baseflow Maintenance
(optional)	_X_ Private water supply	Thermoelectric	Livestock	Industrial	

Table 5-4.104 Aquifer Monitoring Data

Hydrogeologic Setting ⁽¹⁾ Oahu - 0402 North Aquifer Sector, Waialua Aquifer System

Spatial Description (optional) ⁽²⁾ See Map: Hawaii Aquifer Sectors and Aquifer Systems

Map Available (optional) ⁽³⁾ Map available; Section 5-3

Data Reporting Period ⁽⁴⁾ January 1998 - January 2000

	T (IN C	ъ.	Number	of Wells							
Monitoring Data Type	Assessment or background levels and/or located in areas that are sensitive or vulnerable areas ND (6) Number of wells in sensitive or vulnerable areas ND (8) Number of wells in sensitive or vulnerable areas		parameter	s above MDLs	from background less than or equal No detections or other than nitrate MDLs or backgrand/or located in	d levels to al to 5 mg/l parameters e above round levels a areas that	Nitrate ranges from greater than 5 to less than or equal to 10 mg/l Other parameters are detected at	Parameters are detected at concentrations exceeding the MCLs (11)	Number of Wells Removed from service	Number of Wells Requiring Special Treatment	Background parameters exceed MCLs (14)
		sensitive or vulnerable	concentrations exceeding the MDL but are less than or equal to the MCLs (10)								
Finished Water	107	VOC	103	107	103		4	0	0	0	0
Quality Data from Public Water Supply		SOC (15)	104	All state aquifers con-	104		3	0	0	0	0
Wells		NO ₂	107	sidered to be vulnerable.	0		0	0	0	0	0
		Other (16)	107		107		2	0	0	0	0

Major uses of the aquifer or hydrologic unit	_X_ Public water supply	Irrigation	_X_ Commercial	Mining	Baseflow Maintenance
	X Private water supply	Thermoelectric	Livestock	_X_ Industrial	
Uses affected by water quality problems	_X_ Public water supply	Irrigation	Commercial	Mining	Baseflow Maintenance
(optional) (8)	_X_ Private water supply	Thermoelectric	Livestock	Industrial	

Table 5-4.105 Aquifer Monitoring Data

Hydrogeologic Setting ⁽¹⁾ Oahu - 0403 North Aquifer Sector, Kawailoa Aquifer System
Spatial Description (optional) ⁽²⁾ See Map: Hawaii Aquifer Sectors and Aquifer Systems
Map Available (optional) ⁽³⁾ Map available; Section 5-3
Data Reporting Period ⁽⁴⁾ January 1998 - January 2000

	T (IN C	ъ.	Number	of Wells							
Monitoring Data Type Total No. of Wells Used in the Assessment (5)	Parameter Groups	_	ions of rs above MDLs ound levels	Nitrate concentration background less than or equal No detections or other than nitrate MDLs or backgrand/or located in are sensitive or version or sensitive or version backgrand.	d levels to al to 5 mg/l parameters e above round levels a areas that	Nitrate ranges from greater than 5 to less than or equal to 10 mg/l Other parameters are detected at	Parameters are detected at concentrations exceeding the MCLs (11)	Number of Wells Removed from service	Number of Wells Requiring Special Treatment	Background parameters exceed MCLs (14)	
			ND (6) Number of wells in Nitrate # 5 mg/l Number of wells in		wells in sensitive or vulnerable areas	concentrations exceeding the MDL but are less than or equal to the MCLs (10)					
Finished Water	70	VOC	70	70	70		0	0	0	0	0
Quality Data from Public Water Supply		SOC (15)	70	All state aquifers con-	70		0	0	0	0	0
Wells		NO ₂	70	sidered to be vulnerable.	0		0	0	0	0	0
		Other (16)	70		70		2	0	0	0	0

Major uses of the aquifer or hydrologic unit	_X_ Public water supply	Irrigation	_X_ Commercial	Mining	Baseflow Maintenance
	X Private water supply	Thermoelectric	Livestock	_X_ Industrial	
Uses affected by water quality problems (optional) (8)	_X_ Public water supply _X_ Private water supply	Irrigation Thermoelectric	Commercial	Mining Industrial	Baseflow Maintenance

Table 5-4.106 Aquifer Monitoring Data

Hydrogeologic Setting (1) Oahu - 0501 Central Aquifer Sector, Wahiawa Aquifer System

Spatial Description (optional) (2) See Map: Hawaii Aquifer Sectors and Aquifer Systems

Map Available (optional) (3) Map available; Section 5-3

Data Reporting Period (4) January 1998 - January 2000

	T (IN C	ъ.	Number	of Wells							
Monitoring Data Type	Monitoring Data Type Total No. of Wells Used in the Assessment (5)	Parameter Groups	-	ions of is above MDLs ound levels	Nitrate concentration background less than or equal No detections or other than nitrate MDLs or backgrand/or located in are sensitive or version or sensitive or version backgrand.	d levels to al to 5 mg/l parameters e above cound levels a areas that	Nitrate ranges from greater than 5 to less than or equal to 10 mg/l Other parameters are detected at	Parameters are detected at concentrations exceeding the MCLs (11)	Number of Wells Removed from service	Number of Wells Requiring Special Treatment	Background parameters exceed MCLs (14)
			ND ⁽⁶⁾	Number of wells in sensitive or vulnerable areas (optional) (7)	Nitrate # 5 mg/l VOC, SOC, and Other parameters not detected (8)	Number of wells in sensitive or vulnerable areas (optional)	concentrations exceeding the MDL but are less than or equal to the MCLs (10)				
Finished Water	41	VOC	36	41	36		5	0	0	0	0
Quality Data from Public Water Supply		SOC (15)	41	All state aquifers con-	41		0	0	0	0	0
Wells		NO ₂	40	sidered to be vulnerable.	1		0	0	0	0	0
		Other (16)	41		41		1	0	0	0	0

Major uses of the aquifer or hydrologic unit	_X_ Public water supply	Irrigation	_X_ Commercial	Mining	Baseflow Maintenance
	X Private water supply	Thermoelectric	Livestock	_X_ Industrial	
Uses affected by water quality problems (optional) (8)	_X_ Public water supply _X_ Private water supply	Irrigation Thermoelectric	Commercial	Mining Industrial	Baseflow Maintenance

Table 5-4.107 Aquifer Monitoring Data

Hydrogeologic Setting (1) Oahu - 0502 Central Aquifer Sector, Koolau Aquifer System

Spatial Description (optional) (2) See Map: Hawaii Aquifer Sectors and Aquifer Systems

Map Available (optional) (3) Map available; Section 5-3

Data Reporting Period (4) January 1998 - January 2000

	Total No. of		Number	of Wells							
Monitoring Data Type Total No. of Wells Used in the Assessment (5)	Parameter Groups		ions of is above MDLs ound levels	Nitrate concentrations range from background levels to less than or equal to 5 mg/l No detections or parameters other than nitrate above MDLs or background levels and/or located in areas that are sensitive or vulnerable		Nitrate ranges from greater than 5 to less than or equal to 10 mg/l Other parameters are detected at	Parameters are detected at concentrations exceeding the MCLs (11)	Number of Wells Removed from service	Number of Wells Requiring Special Treatment	Background parameters exceed MCLs (14)	
			ND ⁽⁶⁾	Number of wells in sensitive or vulnerable areas (optional) (7)	Nitrate # 5 mg/l VOC, SOC, and Other parameters not detected (8)	Number of wells in sensitive or vulnerable areas (optional)	concentrations exceeding the MDL but are less than or equal to the MCLs (10)				
Finished Water	0	VOC	0	0	0		0	0	0	0	0
Quality Data from Public Water Supply		SOC (15)	0	All state aquifers con-	0		0	0	0	0	0
Wells		NO ₂	0	sidered to be vulnerable.	0		0	0	0	0	0
		Other (16)	0		0		0	0	0	0	0

Major uses of the aquifer or hydrologic unit	_X_ Public water supply	Irrigation	_X_ Commercial	Mining	Baseflow Maintenance
	X Private water supply	Thermoelectric	Livestock	_X_ Industrial	
Uses affected by water quality problems	_X_ Public water supply	Irrigation	Commercial	Mining	Baseflow Maintenance
(optional) (8)	_X_ Private water supply	Thermoelectric	Livestock	Industrial	

Table 5-4.108 Aquifer Monitoring Data

Hydrogeologic Setting (1) Oahu - 0601 Windward Aquifer Sector, Koolauloa Aquifer System

Spatial Description (optional) (2) See Map: Hawaii Aquifer Sectors and Aquifer Systems

	Total No. of	Parameter Groups	Number	of Wells							
Monitoring Data Type	Walls Used		_	ions of es above MDLs ound levels	Nitrate concentrations range from background levels to less than or equal to 5 mg/l No detections or parameters other than nitrate above MDLs or background levels and/or located in areas that are sensitive or vulnerable		Nitrate ranges from greater than 5 to less than or equal to 10 mg/l Other parameters are detected at	Parameters are detected at concentrations exceeding the MCLs (11)	Number of Wells Removed from service	Number of Wells Requiring Special Treatment	Background parameters exceed MCLs (14)
			ND ⁽⁶⁾	Number of wells in sensitive or vulnerable areas (optional) (7)	Nitrate # 5 mg/l VOC, SOC, and Other parameters not detected (8)	Number of wells in sensitive or vulnerable areas (optional)	concentrations exceeding the MDL but are less than or equal to the MCLs (10)				
Finished Water	147	VOC	147	147	147		0	0	0	0	0
Quality Data from Public Water Supply		SOC (15)	147	All state aquifers con-	147		0	0	0	0	0
Wells		NO ₂	147	sidered to be vulnerable.	0		0	0	0	0	0
		Other (16)	147		147		7	0	0	0	0

Major uses of the aquifer or hydrologic unit	_X_ Public water supply	Irrigation	_X_ Commercial	Mining	Baseflow Maintenance
	X Private water supply	Thermoelectric	Livestock	_X_ Industrial	
Uses affected by water quality problems (optional) (8)	_X_ Public water supply _X_ Private water supply	Irrigation Thermoelectric	Commercial	Mining Industrial	Baseflow Maintenance

Table 5-4.109 Aquifer Monitoring Data

Hydrogeologic Setting ⁽¹⁾ Oahu - 0602 Windward Aquifer Sector, Kahana Aquifer System Spatial Description (optional) ⁽²⁾ See Map: Hawaii Aquifer Sectors and Aquifer Systems Map Available (optional) ⁽³⁾ Map available; Section 5-3

	Total No. of	ъ.	Number	of Wells							
Monitoring Data Type Total No. of Wells Used in the Assessment (5)	Parameter Groups	-	ions of rs above MDLs ound levels	Nitrate concentrations range from background levels to less than or equal to 5 mg/l No detections or parameters other than nitrate above MDLs or background levels and/or located in areas that are sensitive or vulnerable		Nitrate ranges from greater than 5 to less than or equal to 10 mg/l Other parameters are detected at	Parameters are detected at concentrations exceeding the MCLs (11)	Number of Wells Removed from service	Number of Wells Requiring Special Treatment	Background parameters exceed MCLs (14)	
			ND ⁽⁶⁾	Number of wells in sensitive or vulnerable areas (optional) (7)	Nitrate # 5 mg/l VOC, SOC, and Other parameters not detected (8)	Number of wells in sensitive or vulnerable areas (optional)	concentrations exceeding the MDL but are less than or equal to the MCLs (10)				
Finished Water	21	VOC	21	21	21		0	0	0	0	0
Quality Data from Public Water Supply		SOC (15)	21	All state aquifers con-	21		0	0	0	0	0
Wells		NO ₂	21	sidered to be vulnerable.	0		0	0	0	0	0
		Other (16)	21		21		3	0	0	0	0

Major uses of the aquifer or hydrologic unit	_X_ Public water supply	Irrigation	_X_ Commercial	Mining	Baseflow Maintenance
	X Private water supply	Thermoelectric	Livestock	_X_ Industrial	
Uses affected by water quality problems (optional) (8)	_X_ Public water supply	Irrigation	Commercial	Mining	Baseflow Maintenance
1 /	_X_ Private water supply	Thermoelectric	Livestock	Industrial	

Table 5-4.110 Aquifer Monitoring Data

Hydrogeologic Setting (1)

Oahu - 0603 Windward Aquifer Sector, Koolaupoko Aquifer System

Spatial Description (optional) (2) See Map: Hawaii Aquifer Sectors and Aquifer Systems

	Total No. of		Number	of Wells							
Monitoring Data Type Total No. of Wells Used in the Assessment (5)	Parameter Groups		ions of s above MDLs ound levels	Nitrate concentrations range from background levels to less than or equal to 5 mg/l No detections or parameters other than nitrate above MDLs or background levels and/or located in areas that are sensitive or vulnerable		Nitrate ranges from greater than 5 to less than or equal to 10 mg/l Other parameters are detected at	Parameters are detected at concentrations exceeding the MCLs (11)	Number of Wells Removed from service	Number of Wells Requiring Special Treatment	Background parameters exceed MCLs (14)	
			ND ⁽⁶⁾	Number of wells in sensitive or vulnerable areas (optional) (7)	Nitrate # 5 mg/l VOC, SOC, and Other parameters not detected (8)	Number of wells in sensitive or vulnerable areas (optional)	concentrations exceeding the MDL but are less than or equal to the MCLs (10)				
Finished Water	89	VOC	89	89	89		0	0	0	0	0
Quality Data from Public Water Supply		SOC (15)	89	All state aquifers con-	89		0	0	0	0	0
Wells		NO ₂	89	sidered to be vulnerable.	0		0	0	0	0	0
		Other (16)	89		89		1	0	0	0	0

Major uses of the aquifer or hydrologic unit	_X_ Public water supply	Irrigation	_X_ Commercial	Mining	Baseflow Maintenance
	X Private water supply	Thermoelectric	Livestock	_X_ Industrial	
Uses affected by water quality problems (optional) (8)	_X_ Public water supply	Irrigation	Commercial	Mining	Baseflow Maintenance
(optionar)	_X_ Private water supply	Thermoelectric	Livestock	Industrial	

Table 5-4.111 Aquifer Monitoring Data

Hydrogeologic Setting (1) Oahu - 0604 Windward Aquifer Sector, Waimanalo Aquifer System

Spatial Description (optional) (2) See Map: Hawaii Aquifer Sectors and Aquifer Systems

36	T (IN C	ъ.	Number	of Wells							
Monitoring Data Type Total No. of Wells Used in the Assessment (5)	Parameter Groups	No detections of parameters above MDLs or background levels		Nitrate concentrations range from background levels to less than or equal to 5 mg/l No detections or parameters other than nitrate above MDLs or background levels and/or located in areas that are sensitive or vulnerable		Nitrate ranges from greater than 5 to less than or equal to 10 mg/l Other parameters are detected at	Parameters are detected at concentrations exceeding the MCLs (11)	Number of Wells Removed from service	Number of Wells Requiring Special Treatment	Background parameters exceed MCLs (14)	
			ND ⁽⁶⁾	Number of wells in sensitive or vulnerable areas (optional) (7)	Nitrate # 5 mg/l VOC, SOC, and Other parameters not detected (8)	Number of wells in sensitive or vulnerable areas (optional)	concentrations exceeding the MDL but are less than or equal to the MCLs (10)				
Finished Water	79	VOC	79	79	79		0	0	0	0	0
Quality Data from Public Water Supply		SOC (15)	79	All state aquifers con-	79		0	0	0	0	0
Wells		NO ₂	79	sidered to be vulnerable.	0		0	0	0	0	0
		Other (16)	79		79		0	0	0	0	0

Major uses of the aquifer or hydrologic unit	_X_ Public water supply	IrrigationX_ Commercial		Mining	Baseflow Maintenance
	X Private water supply	Thermoelectric	Livestock	_X_ Industrial	
Uses affected by water quality problems	_X_ Public water supply	Irrigation	Commercial	Mining	Baseflow Maintenance
(optional) (8)	_X_ Private water supply	Thermoelectric	Livestock	Industrial	